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6

D. B. Wilson D. B. Wilson

D B WILLSON

M.D.

Jefferson Medical College.

1862

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Monday December 16th, 1861, a black man has been the subject for Pancoast's demonstration of the muscles, To day on opening the Chest, pleurisy was found & intense pericarditis, The whole pericardium was ossified. A Singular Case. = antimon: tart: will vomit through the blood in 3 mts, through stomach 20 mts. Capacity of vessel less by small quantity than its subdivisions. In capillary vessels blood goes slower. to the blood goes to head! How about bloodletting in apoplexy for head is shut? Jeff. Med. Clinic, Dr. Meigs, Dec. 18th, 1861. young child troubled with ear-ache; sagittal suture open, stimulate it, Rx

Calomel grsij
Ipecac grsij
Acacia grsx

S. 8 powders, 2 a day, — ℥ Syrup Rhubarb, teaspoonful each morning as directed, Rub head with alcohol. — Dr. Gross, woman, swelling on left side of vertex of head, 3 years standing, hypertrophy of parietal bone. Cannot be diagnosticated. Rx Pot: Iodid. local, Plumbi Iodid. Hydrarg. Bichlorid. = James Fisher, aged 26, tumor on neck 3 years, once a bile here, tobacco, — woman, swelling on back, strumous involving ribs, 5 months standing. Blister 5 X 5, sprinkle with grs iij morphine, wilted Cabbage leaves after, — Tinct: ferri chloride

Bache, Dec. 17th. | agent in decomposing gold.

$HCl + NO_5 = HO + Cl + NO_4$ (?)

Iodine, Courtois 1812, sea weed, NaI and $MnO_2 + 2SO_3 =$ (I) and NaO, SO_3 and MnO, SO_3, E. wt. 126. Eq. vol (vapor) ☐ 1. with O, IO_5, IO_7 (hyperiodic acid) 2. with H, HI. s. gr. 4.42, 3. I with S IS_2, 4. ISe_2.

I as solid s. gr. 4.9, vap. 8.7

Soluble 1 in 7000. sparingly.

IO_7 by $2NaO, + NaO, IO_5 + 2Cl = NaO, IO_7 + 2NaCl$, — I_3N Explosive, — HI by $PI_5 + 5HO = 5HI + PO_5$,

> for Cl than I, — PI_2 PI_5, PI_3 } Mitchell.

Conium Maculatum, Grecian hemlock. alterative. (Extract of Cicuta), anodyne, for opium.

esters as substitute. Juice for hemorrhoids foul ulcer. — Convolvulus, jalap & scammony, 1610 Mexicans, dr. ether digests smell [illegible] gr. from jalap, 10 ~~gr~~ grs. calomel & jalap × aa — jalap & cream of tartar ~~X~~ to XX gr. hydragogue, Nauseant, 5 grs. before dinner. scammony from shrub reg. — Copaiba, smell, capsule to hide smell, Rub up with calcined magnesia for solidity, enema, emulsion, expectorant, frostbites. Eruption ~~[illegible]~~ follows it. — Dogwood anti-periodic. — Creasote wood-smoke odor. Reichenbach while working on tar. stains transients, ⅙ to 1, 2, 3, 4 oz. oil & mucilage [illegible] vinegar never. Styptic, skin diseases, antiemetic, in diarrhea.

-Case of Strabismus, the one Eye previously operated on, now the other eye. — Diefenbach's mode. = Mitchell: Cubeb, Copper, Ammonia test for acetate of Copper, gives ammoniuret of copper. Ammoniated copper for Chorea, - Sulphate of copper, = Dr. Gross, Dec. 19th, 1861, Hayo operation at tarso-metatarsal art. leave end of metacarpus off toe that goes in, - Chopart's at Calcaneo-cuboid & astragalo-scaphoid, dorsal flap to ~~Heads of bones.~~ - articulations bet. post. Ext. of ~~metatarsal~~ to metatarsal bones & malleoli. = at ankle Symes of Edinburgh, beware of post. tibial artery. take off malleoli at projections, & piece of tibia, Pirikoff (Russian) modified thus. divide calcaneum from behi. for. ~~& above downwards~~. Circular above ankle. divide fibula first. - if flap, cut without inwards, - at upper third remove crest of tibia, remove some of the gastro-cnemius; not so near as attachment of hamstring muscles. Bache, Bromide (Br.) Eq. wt. 78 ☐. F, 19, ☐. Officinal.

Iodine is off U.S.I., Iodinium Purum, Sub. II, tinctura Iodinii, unguentum Iodinii, III, Sulphuris Iodidum, Unguentum Sulphuris Iodidi, IV, Potassii Iodidum, Ferri Iod. Plumbi Iod. Hydrargyri Iod. (viride) Hydrarg. Iod. Rubrum, Arsenici Iod. Liquor Arsenici et Hydrargyri Iodidi, V, with KI, Liquor Iodinii compositus, Tinctura Iodinii Composita, Unguentum Iodinii compositum. Donovans solution. Fowlers is Solution of arsenite of potassa, - Waters act from I by quicklime. - Unguentum by I 3i to Adipis 3j + gr iv KI + aquae gtts. XII, Old tincture forms HI somewhat - Bogue (?) Geneva, - Br. from Bromide of Magnesium, Alcohol ether + chlorine, BK + MnO_2 + $2SO_3$ = B + MnO, SO_3 + KO, SO_3, ruddy vapors A.g. 3 (solid) (vapor) 5.4 + Off. Bromate of potassium, - Br. antidote is Conium, F from 1.82 - not with O. fluoride of Calcium (Derbyshire spar) by MnO_2 + $2SO_3$. HF + by SO_3 + HO + CaF = CaO, SO_3 + HF. Mitchell In India drastic cathartic by croton oil, Opium, tart. Emetic, - Breastplate of copper prompt Emetic. Croup, Amer. Journal Philada Vol. XVII, In hospital

diarrhoea. (+ Sulph: Morph.) 2 of 1st 1/8 gr. of second (pill), In old intermittents, tonic, chorea, Epilepsy, In ophthalmia sub-acute, in sore fauces, Cancrum oris, R

Sulph: copper, ʒss

Peruvian bark, ℥ss

Warm water, ℥iv,

Sulph. Copper to whiten bread, poisonous, "blue alum", eggs, & sugar & water, antidote,

— Jamestown weed, thorn apple, narcotic poison, stramonium, — as poison, Emetic, then Camphor, volatile alkali, tea strong, substitute for opium, dont constipate, dysmenorrhoea, facial neuralgia, smoke for asthma, — Ointment in case of hemorrhoids.

= Digitalis purpurea, foxglove, dry leaves in loft, climate affects it, 1 gr. — diuretic, sedative, cumulative, — antidotal opium, sinapisms,]

dont use lest fearful syncope, infusion stronger ~~than tincture~~

ʒ to Oss boiling water + 20 drops oil of cinnamon. Braithwaite p. XLII.

Dunglison

Circulating blood; { Liquor sanguinis, { Fibrin, Albumen, Salts, Water,

Lymph plasma,

Coagulated blood; { Red corpuscles, { Globulin, Hæmatin, / Crassamentum / Cruor, clots, { Fibrin, corpuscles, / Serum, { Albumen, Salts, Water,

Red Corpuscles in health (Epc. in menstr.) never come for the only Pejor Sanguinis. — Globulin = blood Casein, — Lectures on Anatomy & Physiology by Mr. Edwards, — Houston investigator of corpuscles, — Septum ventriculorum ovale bet. ventricles, — Elastic coat in large, muscular coat in small arteries greater. Dr. Brodie, Dec. 20th.

In Sims' fractured malleolus to another, open joint, two front bet. tibia & astragalus. Don't perforate flaps. — Knee joint, one patella removed, other not, (long flap front, other short), Saw off condyles (inner more if longer of two). Saw patella kept, Cut off ligament below patella (covers interior bet. condyles. 2nd, patella removed 1st flap, across centre of it, (short, — at lower third of thigh), transfix behind. — Other (2) rectangular (5 in. in front.), Cut off sciatic nerve a little above, bandage begun at upper part. Elevate,

Hip joint, compress by tourniquet & femoral artery (over aorta (bowels empty), – 1, lateral (smaller flap outside, beneath tuberosity of ischium knife put in, comes out bet. superior spinous process & great trochanter (between :). don't hook up " " " ". Then interior lateral larger. Bend thigh out & dis-articulate. (pyaemia, don't approximate for 4–6 hrs.

Bache, C, 6, □, charcoal 0.44. diamond 2.5. C & O, – CO_2, CO, oxalic acid C_2O_3 or $CO + CO_2$, Mellitic acid C_4O_3, Croconic acid C_5O_4. – CO_2 □▭ (C O^2) = [22]
CO = □▭ = [14]. – C good conductor of electricity not of heat, compressed s.g. 2.5, – decolorizer &c. better when phosphate of lime in it, CaO, CO_2 + HCl = CaCl + CO_2 + HO. — NH_3, CO_2 + NO_5 = CO_2 (solute fumes impure) + NH_3, NO_5. CO_2 s.g. 1.52 77. Faraday liquefied, Dr. Mitchell solidified it in America first. In air 1 in 2000. (NaO, $2CO_2$ and SO_3.), (Tellurier. Sudden gasifaction. – 85°, and ether = –146°, not soluble in water or in fixed oils. – CO take O, by Potassa

from CO_2. — Dunglison, corpuscle $\frac{1}{3500}$ inch, flattened discs, Ludwig has H_2O, CO_2 in arterial H_2O, CO_2 given off in lungs, Beyond double by convex, Extended in Concave, and said that CO_2 expands & contracts globule, These two are not true theories — true hematin — Chemistry must explain these — Iron away, color fades there. Solute to 300 of Red, 1st, round 2nd, oval — Liquor Sanguinis has no life, Corpuscles seem to be oxygen & CO_2 carriers, — coagulation spontaneously, aldehyde, cyanic acid. (Dr. Harrison, Sq; blood corpuscles 1088 liquor Sanguinis 1028, fibrin > corpuscles in inflammation, coagulates more slowly & corpuscles sink, so in Chlorosis (red corp. Decrease) in other blood increases, Jeff, Med, Chir, Dec. 21st, 1861, Man in rep, in dangerous. Here before. — Sarah Cunningham, Lives in a malarial Country. Incold Stage of ague boy so hot as in armpit. Reproduced

fortis pulse. (Beaver Dams, Richmond Co. near Augusta, Georgia. Merg (1800 got ague.) uroemia may produce extreme delight in Death. ℞

Confection of Opium ℥j,
Lemon juice, ℥ss.
Powdered Red Bark, ℥ss,
Port wine ℥iv.
S. wine glassful 3 times a Day.

Dr. Gross, Man with Rheumatism at knee & wrist joint, arms well raised, — Miss Rock (?) aged 42, - tumor on Parapharyngeal gland, hard, - 5 years ago commenced, Scirrhus, ? Married woman, 4 children, (Dr. Burns, of Frankford,) Tumor appeared a year ago, no retraction of nipple, hard & irregular, ~~[illegible]~~ more than one lump, cant determine whether it is Scirrhus, may be fibroid, - 1st. case, let it [illegible] for a while, apply Iod: Oint, for there is swelling around. - 2nd case, glandular in look, - Sarah Rose, aged 52, - 15 years, Sewing for living, She

has dyspepsia [illegible]

has dyspepsia & sick headache holds her head by slight support, Spasm of right sterno-cleido mastoid muscle, will divide it, twice to get equilibrium, subcutaneous. — Syphilitic case, tightness of prepuce, (Israelites have rarely cancer of penis,): vegetations, pare them off, keep parts asunder, apply chromic acid, (Sulphate of copper,?) | Mitchell.

Digitalis concluded, Ectrotic medication, what it is? Elaterium, other names, old remedy, how got? 2 kinds of very different strengths, Elaterin, its dose, Electricity, Travelling electricians, Medical knowledge to use electricity, Points to be understood, galvanic electricity a substitute for nervous power, facts in point, Ether, import of, chemical definition of, various ethers, why? features common to all, 1st. of sulphuric ether, how made, Combustibility & volatility demands caution, ~~Purity of it,~~ important, uses of, External & internal, Nitric ether, how made, Spt Nitr Dulcis, properties, therapeutics of, kind of ~~drinks after a dose~~

~~No Ext. of digitalis,~~ [illegible]

Elaterin very strong & dangerous, last resort for opiate poisoning. Sulph: ether 5-10 drops pr ~~ʒ~~ ʒ gruel or starch

Braithwaite p. XL for ascarides, ~~Hoffman's~~ anodyne R

Oil of wine, Sulph: Ether,] Meigs. for enema

After womb in menorrhagia Ferri: persulph:, - Stricture of cervix, McIntosh's book.] Dr. Gross.

Dec. 23rd, 1861. ~~[illegible]~~ joint better than in continuity of thigh, for not expose medullary canal, - at hip joint flaps can be made. - at ancle remove malleolar projections, P. says. but Gross says leave them, merely taking away articular cartilages, no danger in Pirogoff's in cutting post. tibial artery, P. does for wounds, Sime's for disease. - Resections of joints, shoulder & Elbow espec. others not done. shoulder safer than amputation, less successful in disease than in wounds, - at Elbow of no injury of brachial artery

bisect [illegible]

resect, semi-lunar flap or H shaped flap, Pagets over condyles, Pliers of Liston, Apparatus, arm straight 3-4 week passive motion then ⊥ position of arm, - at shoulder U incision or Y or H over deltoid or merely |. Remove patella best, at knee H U ⌣. Sole leather below to avoid infection. Ins. intention gen. leave openings.

= affections of Stumps, primary 3. secondary. 1st. hemorrhage. 2. pain, 3. spasm 4. Inflammation (cut first hours.) warm cloths Circumscribe / dont encumber stump /

Bache,

C work O_4, carbo-hydrogens (~~bad formula~~)

I. Iso-Equivalent " " . General formula C_nH_n ... $C_{60}H_{60}$

Methylen C_2H_2, Propylen C_6H_6, Butylen C_8H_8, Amylen $C_{10}H_{10}$ ↑c ↑c .... $C_{60}H_{60}$.

Ethylen Syn. Olefiant gas, C_4H_4, Sp. gr. 0.9722.

II. Not iso-equivalent carbo-hydrogens, - 1st belonging to the marsh gas series, C_2H_4 (marsh gas.) C_4H_6, C_6H_8, C_8H_{10}, $C_{10}H_{12}$. (Gen. formula C_nH_{n+2},

~~C_2H_4~~ by 6CaO + KO + acetate of soda, Sp. gr. 0.5555.

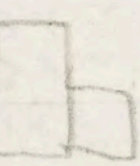
Acetic acid decomposed into C_2H_4 + $2CO_2$

(taken up by KO.) $HO, C_4H_3O_3 = C_2H_4 + 2CO_2$,

8 vol. 2 vol.

C_4H_4 =

to get C_4H_4 add HO, SO_3 to alcohol (HO +
Olefiant gas, SO_3 takes another HO & gives
C_4H_4. burns well. — C_2H_4 Dumas
process "gas of the acetates." light
Carburetted hydrogen s.g. 0.5[illegible]
C_4H_4 heavy, flame of gaseous matter
so hot as to be luminous. C_5H_4, volatile oils non-oxygenous) or
multiple (turpentine. — C + N, Cyanogen
C_2N by bi-cyanuret of mercury
to heat ~~paracyanogen~~ burns with
bluish purple flame, s.g. 1.805.
water 4 1/2 alcohol 23 vol. Gay Lussac.

 = D. — paracyanogen (residue
C^2N. black after former
process, — mellon $N_{13}C_{18}$

Bi-sulph: Carbon, liquid. (vapor
of S over red hot C.).

Dr. Meigs.

Fibroid in Vena Cava, (man injured
by tail of ox-cart.) man died, (
Meigs first, Medical Examiner,
Transactions of College of Physicians
& Surgeons).

Dunglison.

Principal Constitution in health.

Fibrin 2 to 3 1/2 of blood
Corpuscles 118 - 150,
Solid matter of Serum
Chiefly albumen, " 72 to 685,
Saline Matter 6.03.
Extractive matter, fatty
& other, - 6.77

physical change
is coagulation, - In
blood of inflam
corpuscles greater
& have more at-
traction of aggre-
gation - ammonia
theory, life theory,
- Dunglison now

asserts as a Solidist, "brimstone
& treacle" to purify blood, non-nitrog-
ised matter turns into nitrogenised,
- Fibrin Consequence of breaking
down of tissue, not higher step. Simon
of London "Pathology," increases in bleeding
- there is Essential fever. Not proved that
it decreases plasticity of blood "& " bleed-
ing decreases fibrin."

Dickson

Dec. 24th, 1861. He says he got
a prize for "dropsy" just after
he graduated. Had never seen
a case or, never Cured one,
up to that time.)

Dr. Gross- Dec.
24th. 1861. bring end up against
glenoid Cavity & it will have motion
in time, - dusky, reddish blush
shows erysipelas, want of adhesive
action, more swelling, - general

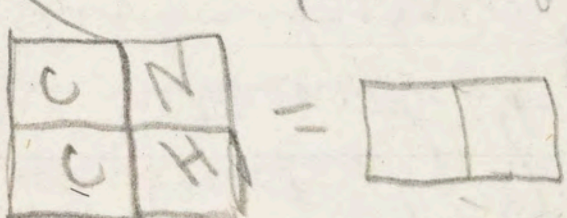
principles to meet this, — Inflammation of bone & of Medullary membrane, when dressing removed, seen by Sanious discharge & fetid odor, Marrow dark & green, pulpy, — Treatment, free use of detergent lotions & re-ordering substances. Dress with Chlorides, promote suppuration wait for Sloughing. — Retraction of soft parts — make systematic compression, — Ré-amputation, 2nd day, necrosis, neuralgia (permanent contraction, don't interfere prematurely. bagging of bursa mucosa, blush on skin, fluctuation, leech or two Iod. tinct., Exsect, — Retraction, divide tendons subcutaneously. — Artificial limbs. Palmer. (willow.) Patient (popliteal aneurism & gangrene,) Dr. Blye of N. Y (lateral motion at ankle.). stump conical, as long as possible, pressure on side not in middle. wait for 2 or 3 mths, and tan stump (alum & tannin), — peg-leg, muscles become absorbed & fibrous. — Beds, Dr. White, — Constitutional effects of operation, (. Shock, (posture,

— traumatic fever. (pulse jerking

— traumatic fever, (pulse jerking, give him diaphoretics (mild, (Tart: Emet + Morphia 1/15 gr. aa, mild Enema.) ice in mouth, inquire as to retention of urine, draw off by Catheter.

Bache

Cy + O = Cyanic acid CyO, Fulminic acid Cy_2O_2, Cyanuric acid Cy_3O_3, (Fulminuric acid.) Polymeric to each other, CyO ~~[illegible]~~ KO, CyO and KCy by KO + 2Cy, there is also isomerism, NH_3, CyO + HO same as urea, — Cyanelide. Cyanuric acid (with 3HO) $3(N_2C_2H_4O_2)$ = $3NH_3$ and 3HO, $(NC_2)_3O_3$. (percussion caps KO, NO_5 and HgO, (Ful.) Cy). CyO is mono Cy_2O_2 is bi-basic, — Cy + H, Prussic acid, $HgCy_2$ + 2HCl = 2(HCy) and $HgCl_2$, at 80° vaporises, ~~? 4~~ 0.94 Sp. gr. 0.69. — Antidotes Cl + NH_3, — KCy + HO, SO_3 ~~Cy~~ = CyH + KO, SO_3. 100 grs. med. acid should saturate 12 7/10 AgO, NO_5. ~~2~~ per ct. 02 of anhydrous acid, 15



HCy. — add acid — minerals to keep it, Silver Cyanuret gives HCy, CyS_2 = Sulphocyanogen.

Mitchell, Eupatorium, - decoction, as emetic, & purgative! & diaphoretic. In intermittent, - Farina, wheat flour, - burns & scalds, - Erysipelas (dust over), - antidote for Cor. Sublimate, and as enema. - Ferrum, Iron filings, anthelmintic, to get away Cu, take magnet for iron; Iron by hydrogen, 5 - 10 grs, in Syrup, - Iron Rust, 144 to 132 [illegible], CO_2 & FeO, SO_3 insoluble, cathartic in course of treatment, - Griffith's

Gum Myrrh, ʒi
Carb. of Iron gr xxv
Sulph. Copper, ℈j.
Cinnamon 10 drops.
White Sugar, ʒij

Infantile Convulsions, - Braithwaite p. [illegible] XXXVIII, Bi-Carbonate soluble.

3 Sulph. Iron
61 Bi-Carb-Soda,
Cold water Qt. }
Chalybeate Water

In whooping Cough, Chlorosis anaemia, tic doloreux - Syrup, a

Carb | Soda ℥ ss
Sulph | Iron, 80 grs,
Syrup 18 ℥
Water 10 ℥

S, ℥ j, — tinct, ferri, Chlorid, (tincture of muriate of iron) for Cancrum oris, Externally, to Uterine hemorrhage (styptic) — Retention of urine, 10 drops internal, passive hemorrhage, (Haematemesis) — gleet, ~~[illegible]~~ Gonorrhoea chronic, — Scarlatina Maligna, Braithwaite p. ~~XXXVIII~~, diabetes — Erysipelas, (prevents suppuration), — in muscular weakness of bladder, ℥ ij,
Copaiba ℥ j
Strych, gr ij
Quassia ℥ xii.

Dunglison, Crystals prismatic in many blood, (hamill) phosphuretted fat & albumen in brain
(blood dried put SO_3 + HO to it gives odor.

Water, 784,
Albumen, 95,
Fibrin, 2,12,
Red corpuscles — Globulin 123½
Hematin 7½
Cholesterin,
Cerebrin,
Serolin,
Oleic & margaric acids
Neutral fats containing P,

Inorganic Salts — NaCl, KCl, Fibrin, NaO, PO5, NaO, CO2, NaO, SO3, CaO, PO5, MgO, PO5, FeO, Fe2O, PO5

Salts keep albumen fluid.

Holidays

Dec. 25th to 28th inclusive

Dr. Gross. Dec. 28th 1861.

Habit in women, — — German

20 years of age, trouble with knee joint, body inside, left knee, loose cartilage, subcutaneous, guard apt. Consequence of opening into joint. Extract it soon. It is now removed outside of joint. He has been purged, dieted &c. give him R

Morphia gr ½.

Peter Jones, fracture at wrist on Christmas, Radius broken

at [illegible] taken off

at end, ~~bandage~~ Splint & bandage (leave thumb out), | Case of gun shot wound, Shot at Ball's Bluff, wound on Scapula grazing it. | John Husso, aged 50, + trouble with bladder. Introduce an instrument to sound, Cannot at present detect calculus. A stone may encysted in wall. His flow is ~~[illegible]~~ continuous but too often repeated, Rx

Uva Ursi ℥i

Hops ℥ss

Infusion to pint.

1/3 tumblerful 4 times a day +

25 drops of NaO, 2CO2. quiet, not ~~[illegible]~~ erect posture if possible, Blister or issue might assist, leeches, purge; no meat. - Not great enlargement of prostate gland.

Gross - DEC. 30th, 1861, Retention of urine, draw off 2 a day by Catheter, - pneumonia, watch well for it, - hectic fever, Quinia (2 - 5 grs) + Elixir of vitriol, opium, - Erysipelas, 36 hrs. connected often with disorder

Definition, 1. Erythema, (Superficial) 2. phlegmonous, (deep.) 3. ædematous (in cellular tissue well furnished) part pits under pressure, traumatic) Extremities, Idiopathic face &c - maybe Epidemic, Endemic, "Black Tongue" Constitution involved pulse typhoid, Sordes, nausea, Secretions disordered, Treatment, attend to Secretions alimentary Canal x if typhoid, quinia + iron, Tinct: ferri ♎ chlorid. (20 drops 3 - 5 hrs in water or Sugar) milk punch nutritious Diet, Local Plumbi Acetas + Opium - NECK, Iodine Tinct, blisters, Collodion, paint it - Each, matter, - Compresses, bandage, ventilate, don't congregate, Seems to be propagable. - Hospital Gangrene, spreads in the tissues, like Erysipelas & pyæmia. may be on Continuous surface (rarely) or on ulcer or stump. pain severe Offensive Discharge Livid Color of spot, enlargement Thrombus + Sordes, tongue blackish & Separate patients, Contagious & local, Creasote, hypophosphorous acid, N O5 dilutes, acid nitrate of mercury. - Tetanus - nervous &c

Small wounds Cause to manifest

— Tetanus — nervous fr.

small wounds cause it, may be only "lock-jaw", or universal, or idiopathic & traumatic, may be chronic or acute, — Sense of constriction on chest & abdomen, convulsions, constipation, foaming, may be without general fever, acute & traumatic about sure to die, — Prophylaxis, No current on patient. — Acute tetanus, no curative known, — anodynes + tart: emet. + Indian hemp (?). stimulating enemata, croton oil external, terebinthinum, diaphoretics, counter-irritation on spine, hot bath, blister, — Should we amputate? only before general tetanus comes on, no good after.

Bache. 4 BO_3 + 3 K = (B) and 3 (KO, BO_3, — B □ vol. S, 21, □ vol. — Crystal BO_3 has 3 HO. Sedative Salt of Homburg (German 1702.). — S.G. as Carbon has 1. amorphous, 2. graphitoidal, 3. octahedral (as diamond.). There are fluo-boric & fluo-silicic acids,

Meigs, for 3 mths. ovum is covered, 8 days along Fallopian tubes; omne vivum e vivo.

nervous system may change much
Nyctation, Causes Tumor to be Kept
taken up, Exercise limb & then
it with Anchylosis, paralysis, nerves
not essential. — Dickson Iron in
some persons dropsy, laudanum will
keep awake a sleepy man
in some cases. Gross Dec.

3/4, 1861. — Fractures, Solution
of continuity of osseous tissues, at
all period of life, Simple, Compd.
Complicated, (when more than frac-
ture, injury to soft parts.). — Causes,
Muscular Contraction, & External
injury. Predisposing, age, certain
diseases, does not, Symptoms
Crepitation, preternatural mobility,
deformity, Disorders by effusion
of lymph, don't mistake, never E-
longation, try Extension & counter
Extension, Examine thoroughly,
take Counsel if doubt, — Dis-
placement of parts, Muscular
Contraction, pulsating body,
weight of parts — Repairing
as in soft structures. — 1st effusion
of blood. Absorbed in — Days

as in soft structures. — 1° effusion
of blood. Absorbed in 4 — 8 days.
2. Effusion of plastic matter — thick
bone 5–6 weeks, tibia 4½ – 5
humerus 4 weeks. 1° provisional
callus, 2° definitive callus. (1. outside
& in canal.) Redundant tissues
— Treatment, Retention, splints
bandages, leather, morales, board,
Pasteboard, 13, 52, — 65 Elements in
all. — Electro-positive metals
are basifiable, base-making;
— acidifiable, alkali, earth, oxides
begin at Antimony. K & S give
5 sulphurets. Dr Dare & Chap-
man "Ox hide" anecdote, K burns
on water, great affinity for O.
Potassium set free hydrogen burns by
heat of union of K + O. H
from O of HO (KO + Pot. HE).
In air KO_3 or water KO, some
say not KO & but KO_4. Pot. Sulphs of Pharmacy. (KS_3.)
$4KO + 10S = 3KS_3 + KO, SO_3$.
Hyposulphurous acid

Mitchell. Sulphate of iron.
"Sal Martis" — diarrhoea, &
Sulph. Iron 1/2 } for anoe-
Sulp Morph. 1/6 } mia
Ext of Quassia 1/2 — for Erysip
[illegible] Sub acute ophthalmica [illegible]
Per sulphate of iron, purified
Red, styptic, — gonorhoea 10
grs. in injection bleeding piles,
— blue phosphate of iron, ferro-
cyanide of iron, &
Iron wire ℥iv,
(Seedless) Oranges, 4
Madeira Wine,
(per sesqui nitrate of iron,
Iodide of Iron (Compd. Insoluble,
Compd. Soluble, Syrup of Lemon
1/2 Spoonful, Iodine catalytic
diuretic! glycerine good vehicle,
(10 grs. to ℥j.) acid sub-
i, gr
stances incompatible. Choco-
la 1/5 gr. to 1 lt. (La

la 1/5 gr. to 1 oz. [illegible]

teacup a day c — Dunglison,

Nutrition,
- Increased, hypertrophy,
- Decreased, atrophy,
- Perverted
  - Inflammation
  - Induration
  - Softening,
  - Transformation + degeneration,

Altered Mechanism,
- Contraction, dilatation,
- Obliteration, Compression
- Displacement, rupture &c

Growths,
- Malignant,
  - Cancerous,
  - Encephaloid
  - Melanosis —
- Paraplastic

(Dunglison's Med Dictionary,)

Deposits,
- Euplastic — Cicatrices, false membranes,
- Cacoplastic — Cirrhosis, fibro-cartilage,
- Aplastic — [illegible] tubercle, Yellow tubercle, Atheroma, Calcareous matter,

Growths, Non Malignant
- Cysts,
- Tumours,
- Hydatids &c.

Dr. Gross, Jany, 2nd. 1861.

anaesthetic if nec., at any rate diagnosis accurate, — Direction of fractures, Never seen a transverse fracture of long bone, They are oblique, longitudinal, (of no consequence,) Edges may be serrated, — Comminuted, impacted, deformed callus [illegible] [illegible]

Patella generally fibrous not bony union, so in neck of thigh bone, acromion, olecranon. - Treatment. - dip leather in hot water, tin, pads, padding, bandage, (roller) tumefaction, steadying, many tailed bandage, material (2 - 10tts.), 5-18 yds, 2 1/4 in. wide, firm, roll on knee, no starch, gentle & equable pressure controls spasm. adhesive strips, - Extension, Counter Extension, (Equal), manipulate, Treat antiphlogistically, Passive motion, Elbow (2 - 3 weeks.) - Complicated, remove fragments, when hectic, consider amputation, - partial fracture - bending, in children in Radius & Ulna. - Separation of Epiphyses. Bache

Iodine not soluble without KI in water, Cy is really CyS_2. There is a K Csy. Crest of Iron - Senna tea for febricula after dinner, oppression

Mitchell, glycerine most excellent solvents for ferri carb, gall nuts, solutions & tinctures, gargle Re 1 to 3 of water,

powder ʒj to ℥j Adipis for haemor-
rhoids, in intermittents, — Yellow
jessamine, Gonorrhoea, poison,
narcotics, for intermittents, — Bit-
-ters   Gentian, tonic
for dyspepsia, — Geranium ma-
culatum, ("alum root") in Cholera
infantum, sore mouth, throat
℥ij to Oti of water, — Gly-
cerine, (litharge on sweet oils),
in deafness, (Solvent powers), stimu-
lant, expectorant, ℞ 2-3 drops
to 10 grs. borax + f℥ of Rosewater,
— Braithwaite p. XL, —
opthalmia tarsi ℞ Tinct Iodine
+ glycerine, turn about, Braithwaite
p. XXXVIII, — 15 drops an hour
for cough of laryngitis, — in croup
swab — local pain ℞
Chloroform ℥ss.
Sulph Morph grs iv
Glycerine ℥ss.

℞ Glycerine ℥iij
Starch 2 1/2 ℥
Ess. Mustard 10 drops—
vaccine virus preservative, as solvent.— Cotton. In wounds & bruises;— that it accelerant to parturition, vice Ergot.
— Guaiacum officinale; Chronic rheumatism, (+ ipecac. or Dover's powder.). Tincture external, — Gutta percha; on raw Surfaces;
Dumfries

Hypercemia → Sthenic, Asthenic, Hypostatic, Cadaveric,

Gross Jany 3rd 1861,

Dr. Physick introduced seton for ununited fractures, remain several days, until enough inflammation; Diefenbach "pegging"; — friction, rub ends together, Tincture of Iodine; Dr. Brainerd of Chicago perforator, when if insufficient make raw Surfaces.

— Nose. Examine thoroughly, introduce female catheter or groove director, ~~bandage~~ parts, adhesive strips, in malarbone lever or bone; bandage head for lower jaw in 8 figure, Support chin & lower jaw. "Now, Billy". Push teeth back into Socket. Use fluid food, in comminution tie teeth together. — Clavicle, man holds elbow up, & inclines head to side, adhesive strips, grasp opposite shoulder & keep it there. large strip over elbow & hand, & ~~one~~ around body, wash at times, (split first at end).

— Ribs, Bicar. $KO CO_2 + 1\frac{1}{2} HO$.
"Salt of tartar", KO, CO_2, Sal aeratus or impure bi, super-carbonate,
— alcohol dissolves KO, HO not KO, CO_2.
— animal & vegetable remains & calcareous matter will form Saltpetre; —
KO, SO_3 | Dovers powder,
Sulph. of Potass 8
Opium 1
Ipecac 1.

$KO + HCl = HO + KCl$.

KO, ClO_5 made by 6KO + 6 Cl.

Dunglison, Zebra Male to English

put to mare, striped progeny; or more connexion yet when put to stud horse, progeny was yet though not distinctly marked, — Infraction as to mare, — "Symmetry of innervation"! — Secretion

Dunglison,

1. Exanthematous { Urticaria, Rubeola, Erythema,

Vesicular, | Pemphigus, Scabies, & Eczema, Rupia, Herpes

Pustular, { Impetigo, Ecthyma,

Papular, { Lichen, Strophulus, Prurigo,

Squamous, { Lepra, Psoriasis, Pityriasis,

Follicular, { Acne, Sycosis, Ichthyosis, Trichosis, Favus.

January 4th 1862. Dr Dunglison (1st clinic of his this year;

DUNGLISON.

℞ Aloës pulv. ℨj (B.)
Hydrarg: Chlorid: mit ℈ss. (A.)
Ol: Carui gtt. x.
Symp. q. s. ut fiant pill. XXIV.
pil = 1 pill - 2 & over, gt -
1 gtt - 2 & over. - Greeks
& Romans had the signs. Book
Venice 1535, German, 17 -
lb. ~~lb~~ - Libra - Solidus - Denarius,
£ s. d.
$ = ~~D~~ = U. S. | 9 years - child
Eruption on back, 4 years standing,
itching, seems to be vesicular,
℞
Ol: Morrhuae, External
Liquor Iodini: Compositus, (Internal)
gtt. V 2 a day, cum symp.
Geo. Hagan, age 16, 4 weeks ago
seized with Melancholy. - Jos.
Williams aged 26 ~~H~~ Hungarian,
Cough for 5 mths, ℞
Paregoric in vinegar, mo-
~~vinegar~~ lasses & butter.

Mary Josie Harbron, aged 52, amenorrhea + bronchitis, married, pain in left side, R, Molasses, butter, vinegar, + Coarse towel, Dr. Pancoast,

boy, had fall, struck on nose Inferior turbinated bone probably broken, - liniment R

Camphor ʒi
Sweet oil ℥ss.

℞ Borax, ʒ
Honey, ʒ
Myrrh ʒ.
- table Salt for Gal lammonia,

Snuff through nose.

Boy continual spitting, mucous secretion exalted, Scrofula, no Development, purgative, to clear away mucus

℞ Calomel gr ij
Rhei pulv gr vj
Carb Soda - 2 gr ij Quinia gr ij

Child, Scrofula on ankle, 1/3 gr Quinia, purge 2 a week = 4 months, mucous

matemus on front of head, dams
with thread dipped in Zn Cl.
Done do, here better Excision,
other for children, Oxide of Zinc
ointment. — Case of Gonorrhea
"down with your breeches" — hot
baths every night, Rx

Alum	℥j	One Every 4
Cubebs	ʒj,	or 5 hrs — In
Cinnamon	ʒj	balsam of
Nutmegs	ʒj —	Tolu,

White swelling
wrist joint, Man, Horse formerly
power over some muscles of hand,
save them if possible, take dead
bone out, & pray hypnotism
Mitchell. Hematoxylon Campechi-
anum. Logwood; Homeopathic
Medication, Helleborus, Humu-
lus Lupulus, Hop, Hydrargyrum,
Dr. Norwood (N. C.) N. Carolina
brought veratrum viride to notice
of profession. Use in Scar-

latrius maligna.— don't give to pregnant woman, accumulates. M. recommends laudanum as antidote.— *Hop* pillow for nervous instead of opium, (or assafœtida.) — M. says — Hydr. goes off in vapor insensibly. Beware!!! "It will salivate," "Mercurial water as anthelmintic."

Dr. Gross.

Jan. 6th, 1862., *Clavicle*, in children often no displacement. — *ribs* — *Treatment*, make patient breathe by diaphragm, wide roller, broad adhesive strips, compress if displacement outwards, if displacement inwards let it alone, emphysema will disappear, Re-union 4½ weeks. — *costal cartilages*, in old men, — *dorsal vertebræ*, paralysis, constipation &c. proposed to trephine, Cline of Dublin (last cent.), Smith, Barton, no success. Catheter, &c.

& coccyx & infrequent; finger in bowel. lie on sides; bowels soluble, antiphlogistic &c. relax abdominal muscles; — Scapula, only by severe injury, acromion oblique, frequently epiphysis concerned, push up humerus, flattening of shoulder, head of bone lower, Replacement & position as in clavicle, make humerus act as splint, re-union not all bony. — Neck of scapula rare, symptoms as in acromion; & positions same. (Coracoid, coraco-brachialis, pectoralis minor, biceps, — incline elbow backwards, press up, — body two compresses, & hand bent on chest. Sternum patient on spine with head & legs dr[...]ing on, Anodynes, cough mixtures) Bache

Caustic soda & potassa are both hydrated. NaO, NaO_2 (not O_3.) So KO_4 not KO_3. (Oct. 1861.) NaS coloring matter of lapis lazuli (ultramarine.). (NaO, SO_3 and $4C$.)

$NaO, NO_5 + SO_3, HO = NaO, SO_3, + HO, NO_5$ + 10 HO Gl. S.

Glauber's salt, (German,), used to make NaO, CO_2,

Pancoast,

Spleen expansive "safety tube" when running hard, blood goes into it, pain in left side, full in digestion as reservoir perhaps. influence over generation (?), acephalous child asplenous also,

Meigs, Puerperal Convulsions, Benzoic acid,
Super Carb, Soda,
Syrup of Orange Peel,
Cinnamon water,
mix up to 4 ℥, Quantity escaped me,

Dunglison,

Simple Secretion.

A. Internal	1. Areolar. 2. Serous, 3. Synovial	general vascular,
	4. Adipose 5. Pigmental, 6. Capsular,	Fat marrow,

B. External – Dermic, | Skin, mucous membranes.
C. External & Internal | gaseous. |

~~Prominent homoeopathist said medi-~~
cines act on diff. sides ~~not~~ not
on both. or other, – ~~Hottentot~~
Venus. Fat-rumped sheep,
"God sent us meat, the devil
sent us Cooks." Dr. Gross Jan.
7th. 1862. fingers, try. to preserve
if not very serious injury. – Meta-
carpus, projection on dorsum, two
splints (inferior 1/3 rd. of fore-arm
to fingers, fill up palm with
cotton, All statement of severe in-
jury. – radius & ulna, both, rarely on
same line broken, two splints, preserve
interosseous membrane. Compresses
are proposed, lest bony union
come on. – end of radius is brit-
tle in old age. Dr. Bartons Extends
into articulation, (anterior part.). Col-
lis' (18—) 1 1/2 in. above end –
Rob. Smith (Dublin), 3/4 in.
above end. (at end ~~[illegible]~~

backwards, or may be forwards
if only end broken, it will move with
Shaft, by ligaments, Shewing with
Stylord Process. Bonnet's (B), or
one as gun
Stock

leather
Hook, passive
motion in 3 weeks, Olecranon, oblique,
I or transverse, inability to extend, process
drawn up, union fibro- Cartilaginous.
- Extend limb in treatment, Compress
over elbow bandage upto Elbow &
then another from Shoulder down
2. Pos, motion 3 weeks,
Release in 5 1/2 wks - brachialis
anticus does not reach Coronoid
for inserted at base. Arm at
I Sides Efforts fail will
not make a pill. Mitchell.

Mercury - Blue mass, test it,
Boiling water will detect
globules of mercury. - Protopide
for vomiting & pregnant women.
- Ripple rubbing in blue
ointment may be Salivates.

Wrapping up in mercurial ointment. — Crusta lactea (?) Mercury internal, — Heat + NO$_5$ makes per-oxide. — Calomel & Corr. Subl. test by lime water, latter yellow. Calomel insoluble, Corr. Sub. very soluble in boiling water. Howard's, Calomel, In pneumonia, iritis, Pericarditis,

Dunglison. Follicular Secretion.
1. of Skin or simple glandular.
a. sebaceous,
b. Meibomian.
c. Ceruminous. d. Preputial.
e. Odoriferous, — In adhesion of Eyelids ℞
Ointment of red oxide of mercury & butter without salt.

Jefferson Med, Clinic, Jany. 8th. 1862, Dr. Dunglison.
Woman, liable to paroxysms, (Dr. Nightingale of New Jersey), not of fits, came on during pregnancy. Anomalously epileptic.

epileptoid, Recently daily. Existed 3 years. ℞ It is sometimes hysteroidal. Some - ~~Argenti Nitras~~ times knowledge of what is going on. ℞ Counter - irritation on spine, & brow.

~~Mrs.~~ Mrs. Slack aged 35, - Miss Slack aged 25, slight amenorrhoea, headache, ℞ (Dunglisons.

Magnes: Sulph: ℥ss, } Dunglisons
Potas: bitart: ℥j, } ferro-
Ferri: Sulph: ʒss, } saline,

~~M~~ S. For a quart of water, Dose a Wineglassful every morning.

Pauline Souder, German, Epilepsy, rarely terminates fatally. ℞ Washed Oxide of Zinc 2 grs. before breakfast & supper 1 hr. - ~~Keeps~~ to animal food, & ferro-saline, Time alone can work a cure, - ~~Bessie~~ - , +9 months, thin watery & evacuations, whooping cough, flannel bandage around abdomen, ℞

Rhus puls gtt,
Lupiberis Pulo,
Magnes; Sulph,
P. tuo powders a day if not Ex-
cessive action ; — Henry Logen-
berg, 16 yrs, Dropsy, Leuco-
phlegmatic, Now a year, Anasarca,
not hepatic, not cardiac, Sec
& renal by urines, Dr. Pancoast,
Rhus Toxicum, stopped hemorrhage
by benzoate of lime ; ointment
powder of Zinc. Man in brewery,
drinking beer, (Such if have bones
fractured are hard cases.), Cellu-
litis, Canteridge, " Rhine did not
come from drinking for I neither
touch, taste or handle the unclean
thing." Keep health up to highest
point. actual Cautery in Stripes.
Linear. Splint, hot water dressing
as possible, Then cold, till sloughing.
If suppuration, oxide of lead, purge
a day. Jacob Lather. = Club
foot, adhesive strip not Complete-
ly around leg, bandage up,
Bones divided.

Tumor to neck of young girl, ~~in~~ ~~right~~. goes behind sterno-cleido mastoid; to be removed next Saturday.

— ~~trouble with anal region, man,~~

Meigs, opened Jany 8th, 1862.

Operated womb (3/16th. in. thick.) (cor) nitis. gone.] Mitchell

Cautions about use of calomel or blue mass, Cathartic dose of calomel — Injurious effects of over doses, Anti-cathartic & anti-emetic uses of, Liquid treatment of Cholera infantum, How to work off a full dose how to accelerate action of a dose, Changes of color in stools, Modes of giving, the External uses of, Poisoning effects of, how to check profuse Salivation, — Corrosive Sublimate, other names, how made, taste, color, solubility, why called Corrosive Poison by, antidotes, Sulphate of mercury, other names, color, uses, doses of, nitrate of mercury, Citron ointment, Iodides or Iodurets of mercury, protiodide, deutio-

dide, how made, why made, uses and doses of. / Calomel dust for Scald head, — in itching about urinary Organs (External). in Ophthalmia, — Lallemand Diseases of women & Children, rationale of action of Calomel. of the heart, Dr. Gross. Jany. 9th. 1862.

at radius, danger of anchylosis. hand placed thumb upwards. n of fingers also, at olecranon, pronation impaired. — humerus, short bandage from fingers up, two splints, into axilla high, limb in sling, don't support Elbow or arm, to prevent over-lapping, Starch bandage, consolidates 4-4½ weeks. — Epiphyses even into joint — more or less obliquity, Elbow drawn upwards + backwards, Extend + Counter-Extend. Dislocation, distance bet. Elbow + wrist diminished, here it is increased. — Condyles, if two broken, 3 fragments Epitr, width at Elbow increased, Carefully Examine, Epitrochlear Condyle, if not well treated apt to Efface hollow on outside.

Treat, forearm at right hand with
arm, place thumb upwards rectangu-
lar splints (Dr. Rupert), in 3
weeks take off, & put more obtuse
angle on, - then gradually bring
to straight line, two wks do
better. Passive motion for weeks
& months. Don't amputate if possible,
- humerus, head, may be impacted,
head, uncommon, may disappear
from atrophy at Epiphysis, maybe
impacted rare, Surgical neck.
lower fragment drawn in, upper
out, back shoot at anatomical upper
fragment keeps place, elbow drawn
up & in, bandage from fingers
ups if high support, if low don't
support elbow, support shoulder
no pad needed, inversion if dis-
location also through deltoid. -
Large tubercle will be drawn out
& back. plant arm flexed
\ . = toe. Usually Complicated,
with Suture Acetate of lead & opium,
oiled silk, 3ij 3ij

Water, Gallon, avoid Constipation.
Bache Cæsium Cs 128 Cs_2O,
Coesia - Rubidium Rb 85 RbO
Rubidia. Sodæ Phosphas
$HO, 2NaO, PO_5 + 24HO$. - $3HO, PO_5$ ($2HO, NaO, PO_5$ - HO $2NaO, PO_5$ - $2NaO, PO_5$).
- $2HO, PO_5$ (HO, NaO, PO_5 - $2NaO, PO_5$)
HO, PO_5 (NaO, PO_5).
6 phosphates to ale,
NaO, ClO (hypochlorite of soda) NaO, CO_2
and CaO, ClO = NaO, ClO and CaO, CO_2.
Labarraques disinfecting Soda liquid.
Borax is Bibrate of Soda
Glass is Super Silicate.
- Tartaric acid makes insoluble salt with
KO, not with NaO, - Platinum " "
" " " " "
by Heidelberg Chemists - spectrum
- analysis, Bunsen burner.
use Chlorides, Lithia in kelp
in Muscles, Blue lines but unknown,
from given Mineral water (20 tons evaporated),
got a bitartrate, - then found red lines,
Rubidium

Caesium resembles Potassium, nitrate of Caesia soluble in alcohol, nitrate of Potassa not so. In pure metals determined theoretically. Spectroscope. Position of lines & breadth characteristic invariable. — The Pharmaceutical Journal & Transactions second series May 1st. 1861, John Churchill London price 1s. (Philada, Jno. Pennington & Son.) I looked through Bache's Spectrum, saw Lithia, very delicate. Bunsen & Kirchoff.

Mitchell. — Henbane. In puerperal mania, purgatives & then Ext. of henbane. — Skunk cabbage. Known to aborigines, as remedy for dropsy, rubefacient, — Holly in intermittents, — Indigo — Inhalation, hops & vinegar, — bowl funnel & towel. — Iodine, adulterated with Stone coal. Beck's book. Lugol on Scrofula, — to

correct iodism, give acidulated Sulphate of Quinia.

Diuretics, 2. of mucous membranes, (gastro-pulmonary, genito-urinary,) 3. menstrual & ovarial

Glandular, 1. of the skin, 2. of the lachrymal glands, 3. of the salivary glands, 4. of the Pancreas 5. of the liver. Soap & water will remove common insect [illegible] light, mode of relief from; these fluids all go through liver.

Meigs' Sweating Compound.

Milk, — a wine glassful,
Sherry wine, — tablespoonful,
Sugar — dessert spoonful,
Water, — O j.

Dr. Gross, Jany. 10th 1862.

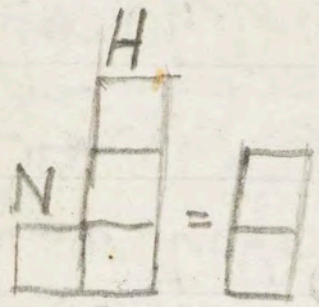
Os calcis not from Muscular Contraction often; post. fragment small. Not able to

bend foot, figure 8 bandage, up to knee; gen. anterior splint, — tibia, fibula (commonly just above ancle joint, fracture rarely on same level, 3 in. above. tibia has sharp fragments, finger along crest, difficult crepitation. deformity forward, two splints, fibula as splint. at sides. tin, don't press heel. bran, fracture box. — foot twisted out in a fall apt to fracture fibula. hunt for the hollow, put big toe & inside line of patella on same line, Dupuytren's apparatus (pads, wedge shaped). — more or less oblique fractures, Extend & Counter-Extend, — when os calcis flex thigh on pelvis & heel almost to nates. — Mr. Head, aged 34, R. I. visited American & French schools, Bladder ex. of the B. for dev. incont. female less liable, pubic bones de-ficient, inguinal hernia,

N. C. H. A. Bache,

NH_3, HCl (Muriate of ammonia Sal ammoniac,
and CaO = Chloride of ammonium).

NH_3 and ca cl and H_2O.



Sp. gr. ~~0.960~~ 0.59.

NH_3 is H_3N, called Amide, NH_2 called Amide.
- NH_4 ammonium, NH_3 and
HCl = NH_4Cl, NH_4Cl
and $Na\ Hg$ = NH_3, Hg and $NaCl$
(amalgam.) NH_3. 1 pt
of water takes up 430 pts. of NH_3.
And increases bulk 2/3, weight 1/2.
- forter 1 to water 2 makes com-
mon liquor ammonia.
Granville's ~~Lotion~~. NH_4Cl
and KO, CO_2 = NH_4O, CO_2 and KCl

Mem. -

"In a belly that is flat,
There's a baby, be sure of that."
- 1818 Geneva physicians found
sound of fetal heart, 1821,
118 days like blowing sound,
140 days fetal beat.

— Saliva has Sulpho-Cyanide of potassium. — 2 1/2 pts. of sweat.

Jeff. Med. Clinic, Jany. 11th. 1861. — Dr. Dunglison. —

Archer —, aged 45, works in iron foundry, trouble with eyes. spectacles

Sulph: Quin ~~gr~~ 8 grs.

Water ℥j.

locally.

Robert McCormick, 6 months old, trouble with head 1 week. Eczema, Poultice indirect & lard. Rx

Adipis q. s. to oil silk

Cap — Rx Magnes: Carb: 4.

Rhei Pulv 1.

Zingiberis Pulv 1/2.

Cover, B ct piece. — Jos. Williams here before, 26, bronchitis. —

Henry Luffenberg, (3)8 Dropsy, Symptomatic, urine by NO_5 & heat. Renal Dropsy, press under internal malleolus, anasarca. Round abdomen. Rx

Pulv. Jalapii Compositus 1
(Potassae Bitart 2.
S. Powders 3j two days apart,
R, Orange Peel, 9, s.
Pot, Bitart, 3ss.
Water, q.s. ℥j
S. as a drink, Bandage.

Odell R—— aged 14, - epilepsy, 4 years, come on in early morning, struck on head some 9 years of age, aura Epileptica often noticed, annual fees, R
Tinct Nucis gtxv.
S. 2 a day.
Sensible Statement by mother.

Dr. Pancoast, young girl, 21, nearly blind, amaurosis 2y years ago, measles, threw typhoid, brain at fault, oscillation of ball.
Black mass, Conjunctivitis, Incision, Wash: (Sulph. Zinc.); Sudorific + diuretic. Go to bed, Camphor water, Nitre &c.
Man last Week. Protula in ano, bled now after ligature, poultice,

stimulating ointment, — Woman,
inverted toe nail, lay off mor-
bid flesh & let nail grow,
Revulsion in case of Scrofula
covers thick nail. Dress it
with lead & laudanum, Or puncture,
strapped nail back. Young girl,
tumor on neck, over External jugu
lar vein, Tear not Cut,

Mitchell, Dr. John Dared book
on Iodine, 1839, uses of Iodine in
all forms of inflammation, How
to apply the tincture, Effects spee-
dily induced, use to Emphysema at-
tending aneurism, also in
local neuralgia, in coma, In-
jections of in ascites, ovarian dropsy
&c. &c., Iodine ointment, how
made, use of to throat, in the
axilla, in phthisis, Iodide of
Potassium or hydriodate of potash,
how got, deliquescent, Soluble
qualities, Solvent, adulterations
of, universal alterative, a true
catalytic hematic, Remarkable
success of in old rheuma-
tism, doses, Emmenagogue

tions; doses, Emmenagogue properties — use of in recession of eruptions, other Remedial uses, vapours of Iodine as remedy, notice of some other Iodides.

5 drops of tincture internally, 40 grs. to ℥j. Braithwaite p. XLIII. — Braithwaite p. XXXVIIs

Has now with O base, I is soluble in K I not in H O. (Lugols.) 20 drops dose (40 grs to ℥j) In all Scrofulous diseases

Dr. Gross. Jany. 13th. 1861.

Infula foot twisted out, splint below sole of foot. Has case when internal malleolus broken. at head of tibia limb straight so condyles of femurs may act as splints. — patella, if muscles at fault, fracture transverse, not able to extend leg, vacuity, prominence above, Cartilaginous union, nutrition impaired. — Head

put more femur - direct, limb on inclined planes, bandage from toe up, strips around to hold parts together, bandage around joint 8.
then from hip down. when parts far apart then mere aponeurosis. passive motion, starch bandage, no flexion for months. - direct injury - oblique ⊥ or transverse bring down inflammation, then adhesive strips & bandage, union osseous. - thigh bone rarer above than below middle. - Shaft, above middle, tendency of inferior fragment to be drawn outward for backward & inwards. Superior to tilt ~~upwards~~ forward & outwards. fracture is from behind forwards, from above downwards. iliacus internus & psoas magnus - ~~six~~ external rotators & gluteus minimus. patient straight limb, elevate body. splint above groin. & one at side (out) to poples. at lower end of Shaft, extend & counter extend,

limb straight, Physick's modera-
tion of Desault's apparatus
no feather bed allowed. horsehair
best, slats, no sacking allowed.
track sheet down. 1. from below
sole to axilla. 2. other to peri-
noeum, pads on them, strips
equal width, length unequal,
Sculteturs (?). – Dr. Hodges
son, (Extensor). (—) Bache
NH_4 ammonium, NH_3, HCl,
NH_4 and $S = (NH_4)S$.) $NH_3 + 2HS =$ [17|37] = 54,
$(NH_4)S$, HS – bi ammonium hydrosulphuretum.
Meigs showed us the womb from the
subject we are now dissecting.
The black woman was 5 months
gone with child, a rare case.
We saw the placenta & foetus.
This will be preserved. – NH_3
and CO_2 – mono – sesqui
NH_3 [3] CO_2 [ ] – bi carbonates.
Sesqui is officinal, – officinal
phosphate is 2 1 of ammonia & 1 of
water, as in soda.

Dr. ~~Pancoast~~ Dunglison,

Analysis of bile, &c.

Water — —	880,	
Glycocholate of Soda, Taurocholate of do,	90.	Bilin, 96.72
Biliverdin,		
Fats, Oleates, Margarates, & Stearates of Soda & potassa, Cholesterine,	13.42,	M. C. & O. 3.28
Chloride of sodium, Phosphate of soda, lime, and magnesia, Carbonate of soda & potassa,	15.24,	
Mucus & gall bladder,	1.34,	
Glandular Secretions,	1000.00	

5. of the liver.
6. of the Kidney.

+ Saliva 2½ pints, Sweat glands 2.8

Fractures

Dr. Gross. Janry. 13th. 1862. above joint Knee, lower End of Shaft. lower fragment backwards & upwards, upper over it. Extend limb, make tibia Splint, or double inclined plane, 3 weeks passive motion, if joint laid open by injury amputate, — Capsular ligament within this, after 50 and rather in female, trivial injury. limb evertes remarkable. heel presents in cavity, and there is shortening. pain in groin, outside of capsular ligament apt to be impacted. No bony matter, often no union, nourishment through round ligament & not through lymphatics within Capsular ligament. Outside bony union Excito, inclined plane, starch bandage, old man must be out in two weeks, young man not for six weeks. Gout, rheumatism old age may make similar changes. 1830 Gross

(Dr, Swift preceptor Easton Pa.), Suggested adhesive strips as extensors, Bashe use chlorides to try the Specimen. Dany 1 & 8 Suspects & Bodart & Jobin by Ca and Na = (Ca) & NaI. Part PCl and hot water gives gas Spontaneously inflammable, CaCl + 6 HO is crystal, — Prepared oyster-shell is powdered oyster-shell, — CaCl and NaO, CO_2 = CaO, CO_2 & NaCl. in precipitate. — phosphate, (a) $2HO, CaO + PO_5$, (acid.) (b.) middle, HO, $2CaO + PO_5$; (c) alkaline (bone phosphate) $3CaO, PO_5$. (dissolves bodily in HCl. (no decomposition.)).

~~Quarterly~~ Quarterly Journal
of Chemical Society Oct
1860 London. 440 Broadway
New York. Mitchell "
Ipecacuanha, Root, annulated,
Brazil, ancient remedy, use in dy-
sentery, (1686 Helvetius); vomiting
root, " Emetin, contrast with tan-
tar Emetic, tannate insoluble, so
iodide, hyposulphuret of ammonia
gives yellow color with tart: Emet:
+ diaphoretic, dose, ipecac, tea,
at night, when to be given, (ab-
pletion before,) in urine, Emetin
must be extracted (30 min.) tart;
Emet; at once acts. Ipecac for
aged persons, + calomel, Dover's
powders, in ague, in Delirium
tremens, Hoffenbottom, Braith-
waite p. XXXVIII. Shower bath,
part XXXVIII, Diarrhoea,
+ External uses, antidotal (Perry's
Japan) for Serpents' bites
Juglans, inner bark,
Jeff. Med. College. Janu. 15th. 1862.

Dr. Pancoast. Man, eruption on skin, he is a butcher. He has psoriasis, 6 years since concealed chancre, salt water bath warm each night, 3 [illegible] times a week sulphur vapor baths, ointment 2 or 3 times a day.

Castor oil ℥j
White wax ℥ß
Canada Balsam ℥ß
Sulphur ʒj
Oil of pine ʒj,
– internal, pill
Guiacum ʒiß,
Opii grs. j,
Cor. Sublim grs. iß
Acid Arsenous grs. ß.
Piperine ℈j

Woman, chronic inflammation of mucous membrane of nose,
℞ Myrrh ʒj & pint

Of wine and water [illegible]

Of vinegar & water breathe this,
— salt & water through nose,
— Myrrh, Borax, honey & 1/2
pt boiling water, —
Huxham's tincture
Valerian
Carb, Potassa ℥ij aa,

Young man, dyer, 10 mos of the
finger swollen, — covered with ex-
tract of lead & laudanum, bandage,
Tonic ℞
Quinia, ℥ss
Pyro Phosp Ferri
Ignatia, 25 grs
K Br
Pepsin ℈j
s. 30 pills, 20 mts, after meal. Bath.

Cases of club foot. — Young man
from Delaware, cut himself
in the arm in July. He cut
the artery. Can't feel his ulnar
arteries, a peculiarity, a traumat-
ic aneurism, He ties the brachi
al artery Dr. Bower of Brooklyn

here to day; ~~and~~ Probably
Cardiac eup; Short & distantly
~~end~~ from heart open.
Mego, & roll bread up, salt,
& boiling Milk or hot or cold
Cream when hot, Mitchell's
quiz, Jany. 15th, 1862, Sugar
& water antidote to Sulphate of cop-
per, — Cl decomposes offensive
hydrogen compounds hence
disinfectant, — Color of salts
of mercury. Chalk julep

Ginger, Cinnamon water, Gum Arabic, Creta Preparata,

Sinapisms before giving Quinine. Purgatives before Carbonate of iron,

tinct ferri chlorid in in-
fusion of quassia. — Iodide
of iron deliquescent. Blue
phosphate of iron alone uses
in medicine, — opium anti-
dote to

digitalis, Dr. Gross. Gany. 16th.
Wood. — Upper end of Shaft often
impacted. only in advanced life.
Age much Everted generally, crepi-
tation difficult, (basal tearing &c.
&c.). Shortening. don't reduce, dress
limb extended, — trochanter major,
limb much everted, fragment Drawn back-
wards & upwards. not discernible
shortening, direct injury infrequent,
limb straight, two splints. trochan-
ter minor, uncommon Prof. Nathan
R. Smith of University of Mary-
land. (wire). "anterior apparatus".
Double inclined plane Macin-
tyre & Liston, also Smith, can
be Suspended to ceiling, — Dr.
Markhorn. — Dr. Bache, — Dr.
Hamilton (New York. Dr. Bell.
(Excellent). line from umbilicus
to inside of patella. big toe on
level with inner margin of
patella. Sigesbeck (N.Y.) of
Albany, leaves to bed stead &
foot board, Dr. Buck N. Y. - Starch
bandage 1874 Berlin, Reverses
outside crest of tibia. bau-

dage rather wet, starch it. then roller back. (wet.) starch again, bandage then. 2 layers of wadding (clear) starch again, splints to calf of foot, then layer of wet bandage. starch this then dry roller.

Bache.

CaO, ClO (hypochlorite) chief part of calx chlorinata U.S. 2 CaO and 2 Cl = CaO, ClO and CaCl. or $Ca\left\{\begin{matrix}O\\Cl\end{matrix}\right.$, $Ca\left\{\begin{matrix}O\\O\end{matrix}\right. = CaO_2$. (Javelle Millon. — Potassa cum Calce U. S. (escharotic). Vienna caustic. Mix with alcohol forms paste. — $MgO, SO_3 + 7HO$, Efflorescences. — middle tribasic phosphate, $HO, 2MgO, PO_5 + 14HO$, — phosphate of magnesia & oxide & ammonium $HO, 2NaO, PO_5$ and 2 (MgO, SO_3) and NH_4O = $NH_4O, 2MgO, PO_5$ and 2 (NaO, SO_3) and HO.

Became Crystals with 12 HO

~~becomes~~ crystal with 12 HO.
— U.S. Carbonate of magnesia is $4(MgO, CO_2) + MgO, HO + 6HO$.
Alba Magnesia. Calcined gives MgO. — Henry's Magnesia (heavy).
Dose, 1 ʒ. Sulphate of baryta heavy spar, Witherite. — Carbonate of baryta insoluble. So
~~sulphate. Tests~~ root.

Mitchell, Ipecac. annulated. with laro pustulates. — Black walnut leaf, tea, external & internally 1/2 wine glass dose, tetters. — recommended for a thesis. — juniper berry, diuretic. — Braithwaite p. XXXVII — XXXVIII, remedy for worms. — Lactucaria (from lettuce), for opium. 4 : 1. not constipating. — Larkspur, fall fever, decoction. — Sassafras has camphor, antiseptic — Lemon peel chew before taking cod liver oil. antacid. In fevers. Diuretic.

Braithwaite p. XXIII-XXIV.
- lupus. - flaxseed bag in boiling water. Dunglison: Analysis of urine.

Water,	967,	&c.	2 or 3 pts. in a day.
Urea,	14.238,		

(Fresh)
Wine of root of colchicum (imported) 1/2 t. teaspoonful, 10 drops commonly.
- Malic acid takes lactic away, quiets nervous system, not eliminated with Dunglison, but 20 & 30 yr. of age starts.
Blood from hepatic vein into vena cava ascendens hottest in body. urina Sanguinis, potus et cibus. Sp. gr. 1024 water 1000. (must add)
Urea is in blood in health, uric = lithic acid, - and of urine generally acid, phosphatic salts are here acid for if neutral they would be insoluble, not urates acid for it is rarely these

nitric acid, for it is rarely these if at all. Wild turn alkali because urea decomposes into some thing + Ammonia which neutralises the acid phosphates, urates easily decomposed, In white gravel (phosphate) keep up acidity for bi phosphate soluble neutral not - In yellow or red gravel, stop deposit acids even CO_2.

Dr. Gross. Jany. 17th. 1862.

Starch bandage and do in 35 - 48 hrs. or heat it to Sand-bags. - Velpeau suggests dextrine (dries in 6 or 10 hrs, soluble in Camphorated water). gum arabic + Chalk, plaster of Paris, (dries in few minutes.). - Dislocations, simple or complicated, removal of one articulating surface from another, partial or complete. - Single or double, recent or old, - primitive or consecutive, - congenital, - orbicular liable to go in 4 directions, ginglymoid backwards, forwards, laterally, knee in 4 directions, - Causes, injury or Muscles, - predisposition, laxity, paralysis, caries, age, (in

(youth bend, in old age break)
Kind of articulation. - Signs, flattening where generally fulness, fulness where shd be hollow, limb twisted, stand off from trunk, limb elongated, or shortened. no crepitus, stiff, may be numbness. - dislocation hard to retore length proper, in fracture not, may be crackling, no crepitus; bone farthest from trunk dislocated. - Ligaments & foramineae as well as muscles resist. -
Reduce by manipulation or hands + pulleys, manipulate away from dislocated bone, Counter Extension extensions on trunk rather, Extend 1st. in direction of dislocation, 2. in Kind of articulation, noise when reduced, - no active relapants, but anaesthetics. If effusion, hot + cold douches. - may use splints in reducing, amputate if vascular artery severed, & lesions severe.
Resection. Bache.
Soluble sulphate antidote

Soluble sulphate ...
to poisoning by baryta salt. —
Strontium brassy – yellow metal,
– $SrCl_2 + 9H_2O$. – SrO, CO_2 ↑
SrO, SO_3 are native. Spectrum
gives strontium greenish flame,
but alcohol + strontium gives yellow
to our eyes. — Al_2Cl_6 and
$3Na_2(2Al)$ and $3NaCl$.
Aluminum – tin white metal.
Sapphire pure thin alumina.
– silicate of Al_2O_3 + chloride
of Al is topaz. – Ter sulphate
of alumina good to inject
into patients for antiseptic.
$Al_2O_3, 3SO_3 + KO, SO_3 + 24H_2O$.
$Al_2O_3, 3SO_3 + 18H_2O$. There is
an ammonia alum) – cataplasma
alumens for purulent ophthal-
mia ⎫ Mrs. at night.
Anodyne injection to woman
who is threatening with abortion,
laudanum 45 gtt,
Starch 2 spoonfuls,
Let still in bed for time.

This is Physic's direction.

— Hemostatics,

Alum, } Coca lemonade
Honey, }
Nutmeg, } Honey of rose,

Dilute persulphuric

Dumfusion,

Secretions,

1. Spermatic, 2. Lacteal,

Urates soluble in hot water,
phosphates (neutral) require
quite a high heat — 28 mls.
Uric acid 5, 3/4 — 1 mile of
tubuli seminiferi testicles
met at Guy's Hospital: 8 per
Metabjects are as cilia.

— Bitter & sugar, light laxative
given by nurses to new born
babes. Humbug! Dr. D. says.
Bitter & more in 1st. milk.
as D. milk best substitute.

Sugar + Cor^{l} = woman over
near Jeff. Med. College
Clinic. Dr. Dunglison
Jany. 18th. 1862. — Mary O. has
Epileptic Convulsions, some years
ago fell on ice 3 years fully
formed — animal food, avoid vege
tables, + nuts + kernels, Coarse
towels, bowels unconstipated R
Argenti Nitrat. or
Oxide of Zinc 10 gr.
℞. 2 a day div Molasses.
— John S. Sharp, Epilepsy
Lady Webster's dinner pill has
been given. — Mary Lunny (b)
pain in bones + swelling in joints,
confined to bed — not very acute
Rheumatism, palpitation.
+ Endocarditis, 6 weeks,
Iodide of Potassium
Sulphate of Quinia 6 gr.
aci. sulph. dil. gtt. xv.
Aquae f℥iv.

Francis McKeeny (?) aged 60,
- ferro-saline & coarse towel,
- tendency to paralysis. - Another
case of epilepsy, Owen Richards,
Oxide of Zinc 5 grs. Q. a day.
- Linseed for skin diseases.

Dr. Pancoast. Young girl,
projection of shoulder blade from
lateral curvature of spine. Proper
food, warm salt bath & friction,
gymnasium, Quinine & iron (CO_2),
+ piperine
gr ij
1/2 gr. - wine. - purge
lightly,
- little boy, halts on right leg
noticed 3 mths. ago, no real
lengthening ever. Extend him
on back, notice feet & position,
glands enlarged, pain not always
in commencement. in head
of bone. Salt bath 1 a day. purge
2 or 3 a week, quinine, nutritive
food, - an issue, a splint,
to keep muscles in order, no

walking on that limb for 6 months
— In hair lip, Sutures parts
lie easily. Spunge to stop bleed-
ing. — Cranium (Congestion Dr.
Keller), deformity of foot,
young man amputation oval
operation, sticking plaster,
Dr. Mitchell. Lobelia infla-
ta, natural history of leaf & seed,
Emetic, Diaphoretic, Expectorant,
Sedative, Poisonous, Tinctures &
infusions, uses, doses. — Magnesia,
Its subtle qualities, agency in So-
lution of Camphor, uses & doses
of calcined magnesia, How the
Carbonate is made, uses, doses, Bi-
Carb. magnesia, What the white
dose, Sulphate of magnesia, Epsom
salt, bitterness of, how aborgated
dose, Dr. Henry's preparation of
Citrate of magnesia, how made
and administered, Dose, Magnesia
as - Manganese, Matico, May-ap-
ple. Lemon-juice kept in brandy.
flaxseed oil internal for hemorrhoids.
— Indian tobacco.

Tinctura Lobeliæ ℥ j.
Sanguin: Canaden. ℥ j.
1. teaspoonful ad nauseam.
Magnesia is absorbing, needed for children.
External — aerated Magnesian water
to be carb. White dose

Sulph. + Carb. Magnesia.
to correct Effluvia of Epsom salt
Lemon juice & Coffee &c. Henry.
Saturated Solution, ½ ℥ ij
Sulph Acid Dil. ℥ j.
Oxide of Manganese for itch.
May apple cathartic, podophyl-
lin ½ gr. Meigs.
1¼ lb. & 7 months limits.

Dr. Gross, Dany. 20th. 1862.
Complicated dislocations. Chronic
dislocations, Effusions have been
absorbed, plastic matter has become
organized. Cavity filled up &
Margins absorbed, and a new
Cavity is formed. — Cooper places

Cavity is formed by — Copper plates
Smith for Shoulder, 2 nitres for hip
joint to limits to meddling with one.
— Exceptions to this, Be governed
by amt. of motion & inflamma-
tion, Easier at ball & socket than
at ginglymoid joint, — Reduction,
Preliminary treatment, passive motion,
sorbfacients, & eliminatives, (8 — 14
days). Chloroform & Extension &
Counter-Extension, Jerky, Diefenbach
suggests subcutaneous cutting of
muscles, — jaw, Vacuity in front
of ear, coronoid process distinct,
temple lengthened, Woman more
Common than man. — Subject on
floor or stool, Support head, thumbs
on large molars, lever front, force back
down, — In hard case, use large
knife, end in as ## lever, bandage,
& care for 3-4 weeks, — Subluxation,
Crackle in Eating, in anemic cases,
— tonics, cold baths, douches, & little
blisters, — clavicle, More common
at breast, ligaments ruptured, 3
downwards, backwards & upwards,
& hand on elbow push outwards &
(Uncommon). — fist in axilla

backward, — wedge shaped cushion, big end in axilla, arm & forearm confined on this adhesive strips, apposition for 2 or 3 weeks, at acromion, up & below, & then below coracoid, — upward most common, trace collar bone, press knee in back & press in front, little or no union, make one by subcutaneous wire, "Curious psychological fact, gentlemen."

Bache, ordinary oxides.
FeO, Fe_2O_3, Fe ~~H~~ Fe_2O_3. — FeO_3
(ferric acid, Hematite (oxide)
Pyrites (sulphurets,), Iron by H,
$Fe_2O_3 + 3H$ (2 Fe) $+ 3HO$.
(Subcarbonate of U. S. changed to this by heat.)
~~H~~ Iron dust burning in air becomes Magn. black oxide,
$2(FeO, SO_3)$ with SO_3 and NO_5 makes Fe_2O_3, $3SO_3$. add ammonia get Fe_2O_3. Dublin has 3 (FeO, SO_3, change ~~2~~ 2/3 of it to $2(Fe_2O_3, SO_3)$ + FeO, SO_3

$2(Fe_2O_3 \cdot SO_3)$ +

add ammonia, get Fe_2O_3, Fe_2O_3.
— Ferri Oxidum Nigrum Fe_3O_4 =
$2FeO, Fe_2O_3 + 2HO$. — use SO_3
+ NO_5 to work on Fe_2O_3, SO_3. —
Fe_2S_3, Fe_2S_3, Fe_2 Fe_2S_2 (hydrated); — magnetic pyrites ($5FeO$, Fe_2S_2.); — with Cl, — Fe_2Cl_3 —
(subcarbonate in HCl, + alcohol.)
(= Fe_2O_3.) = tinct. ferri, chlorid.
— Ferrum Ammoniatum, Fe_2Cl_3 +
NH_4O_3 — FeI → Solution + Sugar.
(as protective). — Syrupus Iodi.

Drunkenness, 2/3 of Sperma
supposed, 2/3 of milk in
the breast. Just milk
Most laxative by butter —
Some say Spleen not only a diver-
ticulum but concerned in blood-
making (making red corpuscles.).
— Said that if Spleen removed, ani-
mals become fatter, "and
fluid, high grained blut" sweat
head. A calf is thymus gland
& many pancreas. — Supra

renal Capsules supposed once to be origin of black bile, atra bilis, μελας χολος. morbus Addisonii = disease of supra renal Capsules, bronzed color & tabes: — All concerned in ~~sanguification~~.
Spleen forms corpuscles.
Calorification — not only breathing for there is post-mortem heat in yellow fever, rose even, Brain coldest part, Temp. gen. in Man 100°,

Dr. Gross. Jany, 21st. 1862.
— Jaw made by touching mastoid & coronoid processes, — Spine, infrequent, generally much Complicated. fatal in Most Cases, Rare reduction, — let parts alone, bend & lift, & gradually straighten, dislocation of Sacrum very rare without intense Complication. Manipulation, Compresses & bandages, Coccyx backward & forwards, finger in

Rectum, patient on side, bowels
Double. - ribs, uncommon alone
= finger, thumb, uncommon, - meta-
Carpo - Phalangeal joint difficult work,
Make clutch Knot, Extens & Counter
Extens. - Dr. Crosby Dartmouth,
lift it vertically. - Chas Bell
divide ligaments subcutaneously.
- at trapezium may go 4 ways.
Backward most frequent - worst,
Art in. back. forw. Rigid flexion,
lateral not in any case Com-
plete. Don't mistake Rad
for fractures Ulna & radius,
pad in direction of displace-
ment, - Ulna, at wrist from Ulna.
forwards, - above at elbow radius
backwards, forward & outwards,
(rare). in backw. three to forces
Pronation, head then bet. art. Cond.
Spec. in four three to forced
Supination, - Elbow proper, lateral
posteriorly, anteriorly, limb flexed
(most common) (least so.) in Red,
Case, Prominence of tendon
of triceps, flexors tight,

diminution of fore-arm in front. Chair low, knee in elbow, snap, when pushed out, or foot. — In few weeks very difficult, may need leeches, Chloroform.

Bache. $Fe\,Cy$. General formula of the double Cyanurets, $2\,MCy + FeCy$. Another $M_2, FeCy_3$ ($FeCy_3$ a compd. radical (Cfy. — M_2, Cfy, — with K, $K_2\,Cfy + 3\,HO$. Potassii Ferrocyanuretum U.S. — Ferri Ferrocyanuretum U.S. $Fe_4\,Cfy_3 + 6\,HO$, — Hydroferrocyanic acid $H_2\,Cfy$, — $M_3\,Cfy_2$ ferridcyanogen, $Cfdy$, (Cfy_2), $M_3\,Cfdy$ with K, $K_3\,Cfdy$, — with Fe — $Fe_3\,Cfdy$. $3K_2Cfy$ and $2\,(Fe_2O, 3SO_3) =$ $Fe_4\,Cfy_3$ and $6\,(KO, SO_3)$, $2\,K_2\,Cfy\,HCl =$ K_3 Cfdy and KCl, (red prussiate of potassa), $K_2\,Cfy$ yellow, $Fe_4\,Cfy_3$ Prussian blue, $Fe_3\,Cfdy$ Turnbull's blue. Mitchell,

Magnesia to be given in morning

Magnesia to be given in morning, — Honey, — wild & artificial, poltry ous forms, — use in preparing pills, — Mint, — for flatulence — poultice, — along spine ℞ Spirits 10 gtt. Sweet oil, — for itch Decoction, Milk, Hartley, pp. 250, — Monesia (S. A.), Musk, (amber + NO_5 makes artificial musk), — Uncle Rr says issue in foreleg of horse like this. Moxa, K, good, potential Caustic. (Dr. McClellan, Mush-rooms, narcotico-acrid, — tanning an tiaste..

Dunglison, Brain is less warm than other parts. Breaking down process not so active in brain, heat felt in vegetables, cut nerve, more heat for breaking down continues & no new formations — Child born before time less warm blooded, eyes not open when born shows cold blooded

so in child with membrana pupillaris, woolen [cotton] linen, white takes in emanations less than black, white [~~less~~] emitting heat less, are refrigerants nonsense, Water & ice excellent, Meibomian follicles are racemose, pigment & serous fluid simple. Exist in blood, mucous not, needs cell agency. gland cells are the epithelial cells, sugar is secreted internally in liver ^ glycogenesis. amyloid — bile 24℥. hardly any N.

Dr. Dunglison, Jeff. Clinic, Jany. 22nd, 1862.

Anti-spasmodics what are they? We cannot define or explain how medicines act, (skunk cabbage, assafoetida,). Henry McGowan, aged 29, blacksmith, cough at night, — red flannel often recommended, But mere popular idea. Treat as bronchitis,

Intermittent Counter — Irritation, not permanent, Rf (External),

Oleum Digitalis

Oleum ——

Antimonial Ointment Swords Do,
— Coarse towel, — Horse Mixture + 10 drops Opii Tinct. Camphorata,
— Child here before Sight with Eruption on head, (Swelling of lymphatics consequence), Bread, Milk, to heads & hard on head, Softens Scabs,
— Rhubarb & Magnesia, Oil Silk caps — Boy with Dropsy from Kidneys, Mother Bright's, He has a headache, — Carriage Driver, laryngitis, he Spat blood, He has Consumption from history, But then again we will see External & External Signs — follicular pharyngitis, Dr. Pancoast
Cured with tumor, Operated On
Dr Sulph Lime Arom
— Woman, Case of Epulis (2),
Next Saturday to be Operated On.

— Woman, at wrist ganglion, Extension of synovial sac over os magnum, subcutaneous operation, cut on all sides of sac, comp. gas —, Young fellow, had syphilis & been cured, now has syphilophobia & a stricture. urethrotome, Rx,
Uva Ursi, } to medicate
Carb Soda, } urine.
Buchu, }

Young child, from Northampton Co. Pa. Has knee joint anchylosis, false, rub with camphorated oil, purgative,

Case of stricture, ~~Rx~~ 3 places, retain urination for a few hours. — Another case requiring perineal section. French negro, from Martinique, tumor in perineum. — division of stricture, major operation of surgery, catheter,

groove director, follow into bladder.

Dr. Brooks, Jany. 23rd, 1862.

At Elbow, limb semi-flexed, partial pronation, In certain cases amputation is demanded, At shoulder by ways maxilla & backwards, from chest, when arm out from trunk, Elbow off from trunk, prominence of acromion limb is fixed, limb longer, forearm flexed, partially supinated or pronated, head of bone bet. Pect & scapular & triceps, — subclavicular form shortened, flexed, drawn back, — backwards, under spine of scapula arm & forearm drawn over chest, long thoracic, fret in axilla, & as Wm pull go over beyond median line, turn 2 into it then act, pulleys.

Bache.

Liquor ferri nitratis. U.S. Ferri Sulphas.

Manganese 5 oxides, 2 acids.

MnO, Mn_3O_4 (Red oxide), Manganic acid MnO_3,
MnO_2, Mn_4O (Hausmannite), Hypermanganic acid Mn_2O_6
Mn_2O_3

Green vitriol effloresces to a white
color makes Fe_2O_3, SO_3. IX

Ferri Sulphas Exsiccatum, Ed.
Granulatum Dub
Northausen is a bisulphate
Water. Ferri Phosphas U.S.
$H_2O, 2Fe_2O_3 + PO_5$ — Ferri alum
ammoniated
$Fe_2O_3, 3SO_3 + NH_4O, SO_3 + 24HO$.
Tallate ferruginous pills
= Pilulae ferri Carbonatis U.S.
Fe_2O_3, CO_2. Sugar protects agst
decomposition. — MnO_2 some salts,
alone.

Mitchell. Naphtha, antispasmodic
as Expectorant, anti-emetic, To-
bacco, Jean Nicot, Snuff
ruins the voice, Magnolia
tripetala (?) substitute for tobacco,
Ginseng, Calamus, liquorice, death
on sharks, — strangulates her-
nia, — ℥j to ℥j. 2or
℥ss at time of this. Smoke
into Canal, Dutch tinstrument
— Keeps away insects, tinc-

- Keeps away Mosquitoes &c

ture in Serpent bites, to re-
tention of Urine, Worms in Fron-
tal Sinus, in Drunkenness. as
an antidote to arsenic. Mont
vomit in this Case, Cerate of
Snuff in Croup, (Dr. Godman
Par. J. tetanus & rheumatism,
in Epidemic Cholera, in asth-
ma, Braithwaite Jr. XXXVIII.
"hay asthma" Erysipelas,

Hamilton - Nervous System,

1. Cerebro-Spinal { Cerebro-Spinal Proper / True Spinal or reflex.

2. Great Sympathetic,

Dr. Gross. Jany. 24th. 1862.

At elbow difficulty in 3 weeks, pulleys, - in metacarpus Sutures tied a board & tourniquet, of Calcis, backwards, - flex limb, Clove - hitch Knot, & counter - Extend, Some "divide ten-

do Achilles, Effect - astragalus.
Extension 2. posterior. 1. heel Seems
gone + fixed flexion, 2. Reverse
Symptoms, Fixed Extension; gen.
fracture. A fibula when displaced 3. outwards (Potts fracture),
+ 4. inwards (gen. fracture of fibula).
(uncommon.), Limbs all flexed,
to treat this. Cl. hitch knot, in first
two Cases. Splints to 3 + 4,
and keep by toe on inside line of pa-
tella - two Cases, Diagnosis Dressings,
- fibula, rarely below gen. violence,
- above 1. Subluxation, relaxation of
ligaments, 2. or violence, action
of biceps flexor cruris; 2. leather
pad, 1. tonics, iodine, douche, - Pa-
tella 1. outwards, 2 & Cruris,
tension, or 3. inwards subcondyloid
forces, - put legs over your head
flex thighs, + replace, 1 + 2: to
flex + Extend forcably, ligament,
has been divided, Beware + tibia
from femur 4. infrequent, leeches
+c. passive motion.

like count bet 20 + 50 more in

&c. "posterior motion")

hip joint, bet 20 & 50, more in male than in female, fall when limb off from trunk. 1. upw. & backw. 2. down. & backw. 3. downw. & forw. 4. upw. & inw. 1. gen. or glutaeus minimus iliac fossa twisted limb, heel rises, big toe agst. opp. tarsus. Knee in, above & abo inverted, hip prominent. 2. head in pyriformis muscle. Symptoms as above but

Backs

Zinc, (Zincum U.S.) Zn 32 sp. gr. 7. Fusing point 773°. - Zn and O. Zinci Oxidum U.S. Zn O. = Unguentum Zinci Oxidi U.S. - Zn and S. - Sulphuret of Zinc, (blende) Zn S. - Zn and Cl. - Zinci Chloridum U.S. Zn and I. Iodide of Zinc, Zn I. - Zn O as a base, Zn O and SO$_3$ Zinci Sulphas U.S. Solute vitriol) Zn O + SO$_3$ +) H O, Liquor Aluminis Compositus Lond. Say ℥ss of each salt to water Oj. Zn O and CO$_2$. Zinci Carbonas Precipitatus U.S. 8 Zn O, 3 CO$_2$ + 6 H O. Ceratum Zinci Carbonatis U.S. - Calamina U.S. Calamina Preparata U.S. Cadmium Ceratum Calaminae U.S. (Turner's cerate) Ed. 56, Sp. Gr. 8.6.

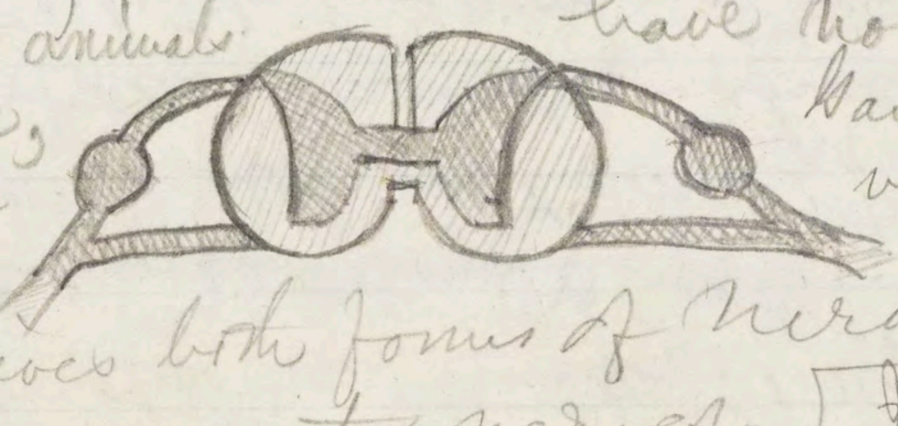
Tutty impure oxide of Zinc found in chimneys in getting lead.
- add NH_4O to ZnO, SO_3 gives a subsulphate of Zinc not oxide.
Calamine Zinc has sulphate of baryta

M.E.G. recommends in labor a dessertspoonful of castor oil.

Dunglison nerves have white substance of Schwann (?), - Two tubular substances in body, ~~vesicular matter~~ in brain & in muscles. (- Electric calamine silicate of Zinc).

Marshall Hall discovered that centre of spinal canal gave the reflex or involuntary action.
- Sir Chas. Bell found reason of 2 roots of spinal nerves. thus posterior sensation, anterior, motion.

Lower animals have no sympathetic, ganglia or vesicular, it are



Receives both forms of nerves, gives off vaso-motor nerves. Jeff. Med. College, Jany. 25th. 1862.

Dunglison, - Young man, 19 years

Dunglison. – Young man, 19 years of age, boatman. palpitation & pain in præcordial region; heart-burn, ferro-saline, Rx

Bi Carb Soda Grs X.

Catherine Arro[?], aged 23, partial paralysis on one side, sight much affected, hemiplegia. seems to be Cerebral hemorrhage, apoplexy (loss of sensation, of motion, of intellection, & stertorous breathing, palliation, She will enter a regular hospital. Strychnia would be prescribed, but care is needed. – James Van Horn, aged 60; shock of lightning 33 years ago, a farmer, insensible for some hours; memory lost for 3 mths. – Kidney affection he says. he used water-mellon seeds. He has drawing up of testicle, & pain. Probably nephritic affection] Dr. Gross.

Pancoast, nævus maternus, when commencing white oxide of arsenic, vaccine virus &c. will destroy this. Form of hair lip operation,

Varicose veins, Young man, pin, toire, Never pass through vein, ul- cerate through in few weeks, figure of 8 ligature. Oxide of Zinc oint- ment, Obstruct Saphena magna with a compress. — White man, perineal section for Stricture, Hutchinsons English catheter best. Dr Mitchell.

Nulla medicina, Nux moschata, the powder, oil &c &c. Nux vomica, Strychnia, nativity &c, The proximate principle discovered in 1818, Sulphate of strychnia, Purest strych- nia in the Upas, Early use of the nux, eaten as opium by the Hindoo, Use of the pulp in Africa, Some uses of the extract of nux vomica, Strychnia preferred to the extract, Its certain sensible qualities of strychnia, Therapeutic proper- ties of, why called a tonic, A- duct dose, Objection to the pill form, Solution much safer, why vegetable acid drinks are not

proper when patients are using

proper when patients are using strychnia, uses of strychnia, notice it as a poison, – Antidotes, – nutmeg inside, outside mace.
– tobacco vs. strychnia; – St. Ignatius, bean scarcer than nux vomica. Pelletier 1818. – Dog poison to Hindoos, & obstinate tertian fevers. In nervous headaches, 1727 known in S— 5' Materia Medica.
3/4 grs in 4 ℥ gruel, teaspoonful in prolapsus ani, Bitter, it
?? in ?? of going to cure, a hyperæsthesia of the skin. – a nervous stimulant, – all citrates &c. are soluble not so the base. Use in goitre. Braithwaite p. XL. II,
– in prolapsus ani, sulphate of strychnia 1 gr in ℥iv, of water 10 drops at one time, ~~subcutan~~ Braithwaite, p. XLIII, hypodermic. – Tetanic jerks, in poisons Vermont "Caledonian" 1857 90 grs. in gin (1/2 pt.). emetic got well, – rum in another case

helped it. Braithwaite p. XL I. Iodine was given, hydriodate of strychnia insoluble, Tannic acid tannate insoluble Braithwaite p. XL II. — Camphor, — sulphate of morphia, Dr. Phillips "Western Lancet", — Chloroform, — nicotina, Dublin Hospital Gazette Dec. 1856, frog in bath, — Hydrocyanic acid, Medical Times, — arsenic, Hall's life of Sydney, — frog in one 5 grs to 5 ℥ water ~~Nicot.~~ died 4 1/2 mts in other 5 grs to 5 ℥ water 1 1/2 mt Nicot. & Strych. in mixture ~~Stage~~ 4 7 mts.

Dr. Gross. Jany. 27th. 1862.

In hip No. 1. adduct easy & abduct difficult, fall while limb is much inverted. 2. Sciatic, Erichsen says mere form of No. 1. limb firmly impacted, 3. thyroid, limb ~~shortened~~, lengthened, limbs separated everted, body inclined to affected side, glutei &c. hold this in this position,

4. Pubis outside of femoral vessels
on Poupart's ligament, limb shortened,
limb everted greatly + separated.
Relap system
was former way — now Dr. Reed
Rochester, New York. Manipu-
lation, flex + invert greatly, then
evert, then ~~abd~~ + rotate, — 4.
heel in perineum, — Pullys, —
Wet bandage above Knee (Sir
A. Cooper) Buckle, 1+2
on back, 3 & 4 on Sound side,
1+2, over Sound limb carry
whin bone on margin of acet.
3+4 carry backwards, — ten-
sion of head through acetabulum

Bache.

Cadmium — Cd — 56 — Cd O orange colored,
Cd Cl, — Cd O, SO_3, — Lead, plumbum,
Pb, 104, Sp. gr. 11.4. — Melting p. 612°,
Pb. with O. — Pb_2O, PbO, — Pb_2O_3, PbO_2,
Massicot, = → Plumbi Oxidum Semivitreum U.S.
(Litharge.). — Emplastrum Plumbi U.S.
(Diachylon). Emplastrum Resinae U.S.

Deutoxide (puce oxide), 2PbO and CaO, ClO = $2PbO_2$ and ca Cl., Red oxide (minium) (red lead) $2PbO + PbO_2$, - Plumbi Oxidum Rubrum Ed. Pb with S, - PbS (galena) - Pb with Cl, PbCl, - Pb with O - Plumbi Iodidum U.S. Unguentum Plumbi Iodidi Lond, Dub.

PbO as a base,

Plumbi Nitras U.S. PbO, NO_5 - PbO, SO_3, PbO, CO_2 - Plumbi carbonas, U.S. (white lead) - $2(PbO, CO_2) + PbO, HO$,

Stannum U.S. tin, Sn, 59, sp. gr. 7.3. Melting p. 442°, Stannic pulvis, U.S = SnO, SnO_2, Sn_2O_3, - SnS, SnCl, $SnCl_2$, - 2 SnCl = $SnCl_2$ and Sn, Mosaic gold. Nitro-muriate of tin with cupro to make Scarlet color.

Margo, ledge formed by overlapping of parietal bones (over occipital) a hold to rotate the child's head, put child

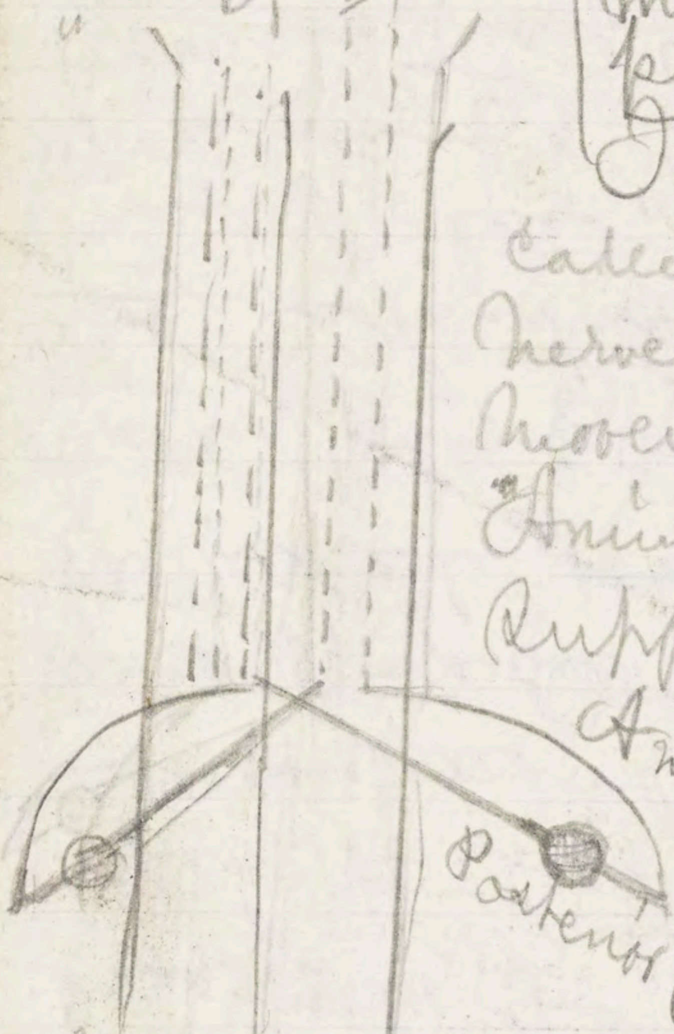
the child's head, put child
on right side, — tie 1 1/2 in. from
umbilicus, don't jerk, twist hand around
two knots & double, another ligature
& cut between

~~Take child~~ by
fingers round neck,
thumb in
axilla.

Animal func-
tions or
" of relation.

Dunglison,
1. Sensation.
2. Mental & Moral
manifestations
(Intellection). 3. Ex-
muscular motion. Ex-
pression or Language.

The great sympathetic is
called the splanchnic
nerve, connected with
movements of vessels,
"Animal Spirits" formerly
supposed, — In animals
going down
lower layer
(ganglionic)
increase,



hemispheres decrease.
Corpora striata receives sen-
sations, tuberc. quadrig.
source of optic nerves,

Dr. Gross, Janf. 28th, 1862.

Diseases of anus & rectum.

Bowels must be emptied, Wiseó Speculum, or best, In Scotland con-
fections from oat-meal, may,
have to cut sphincter (in di-
rection of Coccyx). for ascaïdes
salt & water, alum and water.
juice of garlic & water. hemorrhage,
Mechanical obstructions, hemor-
rhage, plug or astringent. nit-
ders, Caustic, cold water, Ointment of lead, and of nitrate of mercury, more common in women than in men, above, + Castile Soap.
Spasm after defecation for hours,
suspect fissures. Incise with
bistoury. If no success divide
sphincter. No Caustics,
Swelling around anus. Hemorrhoids
& pain, fever, phlebitis, mucous
in adipose tissue, Rupe, Empiéma
tous blush, Scrofulous tu-
abscess precedes this.

abscess precedes this.

more fistula will generally appear. Fistula in ano. Internal opening always less than external opening in number. Internal opening 1/3 - 1/2 inch above verge of blind fistules. Complete or incomplete, external or internal.

Bases.

Copper (Cuprum) - Cu - 32 - sp. gr. 8.9. = Cu with O - Cu_2O, - CuO, CuO_2, - CuO and Cu and HCl = Cu_2Cl and HO = Cu_2Cl and KO = Cu_2O and KCl. - Cu with S - Cu_2S - CuS - Ordinary copper pyrites is $Cu_2S + Fe_2S_3$ - Cu with Cl - Cu_2Cl - CuCl = CuCl and Cu = Cu_2Cl, - CuO as a base. Nitrate - $CuO, NO_5 + 3HO$. Sulphate, Cupri Sulphas U.S. (blue vitriol) $CuO, SO_3 + 5HO$. Cuprum Ammoniatum, U.S. CuO, CO_2 and NH_4O, SO_3. - Carbonate,

CuO, CO_2 – Verditer, make between CuO, NO_5 and CaO, CO_2 – Malachite =
$2(CuO, SO_3)$ and $K_2 Cfy = (Cu_2 Cfy)$ and $2(KO, SO_3)$ = Bismuthicum, U. S. Bi, 213 – sp. gr. 9.8.
Bi with O – BiO_3 – Bismuthic acid BiO_5 – Bi with Cl – $BiCl_3$.
BiO_3 as a base,
Ternitrate – BiO_3, $3 NO_5$.
Bismuthi subnitras U. S, BiO_3, NO_5.

CuO + NH_4O seem to form a blue salt – Cuprate of ammonia, – In Cup. Amm. there is an excep. of NH_4O, CO_2. – Bismuth native (Saxony). Bismuth not malleable or ductile but crystalline

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Dunglison, chyle & lymph rudimental blood, corpuscles carry O, and back CO_2. Secretions can occur without nerves. Mammary gland is granular, in sinuses ʒij. discharged by reflex. – reflex in centre vesicular,

Innervation, tube has white substance of Schwann, after cooling, nerve (vesicular) has nucleated & nucleolated cells, Circle of Willis at base of brain. Respiration & arteries make rising & falling of brain. Nerves don't inoculate, Willis sliced down, & named, afferent, efferent nerves, Motor nerves cross at anterior portion of ~~spinal cord~~ medulla oblongata, Sensory nerves cross everywhere, - transmission by other perhaps vibration, yet no animal spirits, Ligature stops power, yet galvanism won't stop at that.

General Senses

Post. roots of spinal nerves,
" " " pneumo. gastric.
" " " glosso-pharyngeal,
and great 5th. pair,
All radiate from thalami optici.
Subjective, objective — active.
passive, squinting of touch,

Tast ; Touch — Touch
Post. ganglion = thal. optic.
— Touch Corpuscles of Wagner
or B. a German. Corium is
elastic. — Teeth Follicular &
hair Dr. D. Says.

Dr Meigs Labor Pains 20
90 sec. Interval 4 — 15 Minutes
Jany. 29th, 1862.

Philadelphia (Blockley)
Hospital — Dr. Da Costa.
Something Strange in his voice
yet an Excellent lecturer.
He gives a reason for all that
he does. He is Evidently
a foreigner. He had three
or three post-mortems before
the class. — Dr. Goodell.
A child 14 years of age
a girl, with a Scalded leg.
The whole Epidermis was am-
putated. This operation at

the hip joint was performed but

the lips first was performed but
two or 3 times before in the city,
once by Dr. Duffie, once by Dr.
Pancoast. — Jeff. College.

A case of Stone (young boy, 14
years of age) from Lebanon Co.
Pa. — operated on by Dr. Pancoast.
Prof. was present. The calculus
was of the urates so said,
and of a very large size.

Gross, A man with mortification has
a Hippocratic (described by H.) look,
cold perspiration, fast pulse, afterwards
crackling from gas. (H & &c.).

Gross, Jany. 30th. 1862.

(Dr Marsh ~~Marsh~~ Prof. of Surgery
in College of Albany presented
the class.). Don't wait for fluctu-
ation at anus & Chronic symptoms
not well marked, at surface little
spot, papilla, fungous growth. This is
opening — operation. Clear out to
ol. vitriol &c. groove director & sweep
by knife, gen. one internal opening.

cold air, ice, band, persulph., iron,
External blind is one open out, shut in,
Internal " " " " in " out,
(little spot red, pierce & finger up rectum, and groove dir. along track, blunt hook, whip rectum down canal.
- Treatment great cleanliness, bowels kept shut from 2-5 days, Diet low & condensed, divide sphincter for other fistulas, - No Knife, Seton (silk twist, gum elastic braid, double knot, & strap it up, 3-16 weeks, ulcerative absorption, - Don't trouble a tubercular case, "Nature's Counter-irritant". Ease his mind, - hemorrhoids 2 kinds, 1. External. 2. Internal 'No. 1, at verge of anus, tumor, clot of blood, extremity of hemorrhoidal veins, hard, firm a little bluish, covered by mucous membrane & by skin, cut in, squeeze, "apoplexy of anus," becomes fibrous & organized, 2. above int. sphincter, no clot, Erectile tissues, in sub-mucous cellular tissue, Scarlet, palliative, No. 1.

local, run bistoury in, don't cut it off.
2. No Excision, no incision, ligate.
No instrument, Clear out bowels, over tub of hot water,
stew ligate, Sailer's kit, anodyne
lock up, catheter, (1 gr. Morphia.)

Dr. Bache; Hydrargyrum, U. S. Hg. 200, Sp. gr. (liquid) 13.5, (solid) 14.4.
Hg with O, - Protoxide, HgO - (a) Ash-colored HgO, Boiling pt. 662°, - (b.) black HgO, - (a) HgCl and CaO = HgO and CaCl. Hydrargyri Oxidum, Nigrum, HgCl and KO = HgO and KCl, U.S. - Deutoxide, HgO_2 (a) By heat; (b) by precipitation, (c) by NO_5, (b) HgO_2, $2NO_5$ and $2KO = HgO_2$ and $2(KO, NO_5)$. (c) Hydrargyri Oxidum Rubrum, U. S. (Red precipitate), Unguentum Hydrargyri, Oxidi Rubri, U. S. - Hg with S, Three sulphurets, 2 regular - HgS and HgS_2 - Irregular, HgS_2 mixed with S, Hydrargyri Sulphuretum Rubrum U. S. HgS_2 (Cinnabar,) - Nigrum, U. S. (Ethiops Mineral) - Native cinnabar + CaO gives Mercury. Iron floats on it.

Metallic Mercury rubbed up makes
(a.) Hydrargyrum Cum Magnesia Dub.
(b.) " " " " Brita, U.S.
(c.) Pilula Hydrargyri. U.S.
(d.) Unguentum Hydrargyri. U.S.

CaO water + HgCl = Black wash.
CaO " + $HgCl_2$ = Yellow wash.
1 pt (1) 3j (2) grs xv. — HgO_2
by heat = red precipitate per se.

Dr. Mitchell, Jany. 30th, 1862.

Opium, Papaver Somniferum, milky juice, a base in it becomes oxidized when dries acts, and " black. gum, tears, — deliquescents — Cox's Cyclopedia 1812. Sep. 1837 opium juice procured, perfectly good — Morphia — Narcotine, de-narcotised opium. Salt of Rosemary, Sulphuric ether, Laudanum 37 1/2 grs to fʒj (Evans Physician's Prescription book. 18 Drops Sydenham's laud, = 20 " of Ours " " Black drop

Quaker's Dop. opium Ebfo,

Quaker's Drop. opium lb.fo,
nutmegs ℥ss fo. Crab Apple
juice 4 lbs, Sugar lb 1/4. 2
Sp fuls yeast, ferment for 6
wks, add sugar, 3 tms. as strong
as off. Acetate of morphia im-
pure this is Rousseau's, ferment,
Dublin. Opium soluble in water
much in alcohol, — McMunn's
Elixir of opium (~~patent~~ comp.
not known.), Tinct. opii camphor,
Paregoric Elixir, asthmatic Elixir
160 = 20 of Off. laudanum,

Dunglison: tip of tongue & tip
of 3rd. finger most sensitive, In-
side of spinal cord reflex system
Teeth are follicular growths.
Touch not the "geometrical sense,"
— Hypoglossal motion
Infacial gen. sensib. gus-
tatory nerve, all these to tongue,
Glosso — pharyngeal gives
Pf Gustatory. Is taste touch?

Dr. Gross. Jany. 31st. 1862.

In operating on fistula in ano, bring knife over one of opp. sides of the nates. — Ligature strong & well waxed. Ligate largest ones, in hope that time will obliterate them, Return bowel above sphincter, ligature detached in from 4–6 days. — Dr. Houston Dublin NO_5 or acid Nitrate of mercury, flat wood, to pile formerly dried well, Not good, no actual Cautery. — Encysted trouble, sacs described by Physick, like valves, much suffering, ignored by French writers speculum, probe, dissect off redundant substance, — In middle age & old age. — Prolapsus ani, partial, complete, (Even sign more flexure.), Gen. in children in both sexes, (trouble with bladder will cause it), 1. dispose of Exciting Cause, Even treat as hemorrhoids. 2. dont permit strain but bed-pan, tonics, as

tringents, bandage T, cut skin off — a V shaped portion of anus, suture, don't cause peritonitis. — stricture, dilate, notch it, maybe cancerous, — stricture in rectum, gen. from 2 – 3 inches above verge, cancerous more common, likely at any time, finger, plastic matter gives smooth ring, (smooth ring). — In cancer, dilate by finger, — No anus, imperforate anus, leather strap over.] Bache, Hg with Cl, Protochloride (calomel) $HgCl$ - Bichloride (Corr. subl.) $HgCl_2$ Hydrargyri Chloridum Corrosivum, U. S, $HgCl_2$. HgO_2 and $2HCl$ = ($HgCl_2$) and $2HO$]. HgO_2, $2SO_3$ and $2NaCl$ = ($HgCl_2$) and $2(NaO, SO_3)$ Hydrargyri Chloridum Mite U. S. $HgCl$ (calomel). HgO_2, $2SO_3$ and Hg = $2(HgO, SO_3)$ HgO, SO_3 and $NaCl$ = ($HgCl$) and NaO, SO_3. Hydrargyri Ammoniatum, U. S. (white precipitate) $HgCl, NH_2$. $HgCl_2$ and $2NH_3$ = ($HgCl, NH_2$) and NH_4Cl [amidide of calomel] Hg with I — HgI — HgI_2 — Hg_2I_3. or HgI, HgI_2, Hydrargyri Iodidum Rubrum, U. S. HgI_2 $HgCl_2$ and $2KI$ = (HgI_2) and $2KCl$,

Hydrargyri Iodidum of U. S. Hg I.
HgO, NO_5 and KI = (HgI) and KO, NO_5

Dr Meigs, "Unbutton the placenta," Thrust around chorion & amnion & if apt to break put small piece of rag on. Allow nothing to plug up womb. R/
Syrup, Acacia ℥ j
Cinnamon water ℥ iij
Camphor 8 grs.
Tinct. Opii gtt. XL.
for after pains, j. Tablespoonful. / Dunglison, flavor belongs to olfaction; Savor to gustation; "Corporeal senses" intellectual senses.
Mitchell, Morphia — (I was not at to-days Clinic, Willie Wigginshaw been here for a day or two and I wanted to go with him.) ⅙ gr. tell quinine from morphia by NO_5, (blood red ...), Braithe

waite p. XXXVIII. Hemicrania;
Acet. of morph,
Prussic acid,
Laurel water, &c, &c,
— Hope's mixture (Nitrate). ~~B~~
Simpson's forms bi salt hypodermically
neuralgia — hypodermic in irritable
stomach. puerperal Convulsions,
laudanum, "lock-o-up."
Dr. Meigs, In uterine he-
morrhage after parturition keep
all plugs out. solicit Contrac-
tion of womb in every way.
Bread & milk to fainting
women. Gross, Feb. 3rd. 1862.
In integument over anus, line made
over raphe of perinoeum, &c.
When rectum opens into vagina, close
vagina as in harelip. — One case of man
who lived 20 yrs. by all his faecal
matter issuing through bladder.
& urethra, — He is against artificial
ani ~~of the above~~ in loins. — Neuralgia,
Bearing down, in dyspepsia &c, may
be malarial, quinia, belladonna, strych-
nia, arsenious acid, — Eczema, in persons

of light hair, pruritus, itching around anus, in persons of bad habits, — bring up constitution, bland food, no coffee, wine or meat, local, cold or tepid water, castile soap, no friction, dilute ointment of ~~mercury~~, nitrate of mercury (1 to 3) or oxide of zinc ointment, — if inflamed, leeches, purgative, acetate of lead, — Tumors, snip old hemorrhoid off, may be cancerous. Affections of penis, phymosis (?) defect in mucous membrane, slit all up or better cut mucous membrane alone in 3 places. or notch, Circumcision, above downwards, & behind forwards, paraphymosis, (?) "sliding down the bannister." !!! ... pain at glans, & stricture, may have to puncture prepuce, or incise lightly. — Warts, looks like frog, venereal, florid complexion, — touch with Chromic acid, astringents, swelling of prepuce, puncture & anti-phlogistics, or retrench, morbid erections, pectiniform septum, fibroid degeneration, sorbifacients, prick these concretions, — Cancer of penis, epithelioma, amputate early, not able to

Returns + Bache, Two bases, HgO, + HgO_2. Four nitrates, $HgO, NO_5 = HgO_2$ $2NO_5 - HgO_2, NO_5$ ~~*~~ $HgO_2, 2NO_5$ + n. HO_5, - HgO, NO_3 and $NaCl = HgCl$ and NaO, NO_5. Nitrous turpeth, $3 HgO_2$, $2NO_5$ - Unguentum Hydrargyri Nitrate (citrine ointment), Hydrargyri Permitratis Liquor. ~~Dub.~~ - Three sulphates, - $HgO_2, 2SO_3$ - $3 HgO_2, 2SO_3$ — HgO, SO_3 - $HgO 4SO_3 = HgO_2$, $2SO_3$ and $4SO_2$ - Hydrargyri Persulphas Dub. Turpeth mineral } $3 HgO_2, 2SO_3$. Hydrargyri Sulphas flavus, U.S. } $4 (HgO_2, 2SO_3) = 3 HgO_2$ $2SO_3$) and $HgO_2, 6SO_3$ - Monosulphate of protoxide, $HgO, SO_3 - HgO_2, 2SO_3$ and $Hg = 4 (HgO, SO_3) - HgO, NO_5$ and $NaO, SO_3 -$ (HgO, NO_5) and NaO, NO_5.) - antidote to Corr. Sub. - White of Egg.] Two thirds Nitrate of deutoxide, (Bache.) - neat's foot oil for Citrine oint, Iodo, KI, protochloride of tin, NH_3. (best.) Negro. Remember views as to heart-clot. If brain full how can woman die? Bichat Away with bolster + pillows. No plug in bleeding of pregnancy. Turn out clots,

Claret wine & Sponge Excellent to bathe
parts of women. — Externally &c
Ear = External part of Ear. Watch
ticking 1/4 ft. Of Sound be heard.
Solid body in fluid aids transmis-
sion of Sound. touch, headed
& sight to intellectual. Gross.
Feb. 4th. 1862, Incarceration of penis
+ hypospadias or Epispadias (?), Paracentesis
operation based on Barton's anchylosis.
V flaps from Corpus Cavernosum, inter-
rupted sutures in fibrous Sheaths & Skin.
- Amputation, not in Syphilis, but in Cancer.
retract Skin & then drive downwards, belo-
forwards, tack mucous membrane of urethra to in-
tegument in 4 places. — Gonorrhoea,
in both Sexes, urethra of female less
liable than other parts, Specific 4-6 days.
in Male, appears in 3
seems to be predisposition to it. 3
stages. 1. Scalding pain when urinat-
ing, increase of discharge, opaque
& glutinous discharge, red Extremity.
2. Symptoms increased, discharge yellow
& green & often bloody. 3. glairy, white
appearance, declines, glaet mors.

Really inflammation of mucous mem-

Really inflammation of mucous membrane of Urethra, follicles of Morgagni. - Lose sight of its Exciting Cause. - Bleed him well. Purge him well. Senna, - blue mass, colocynth, - antimony + veratrum viride, Starve him, - broths, - on his back, - Leeches to Perineum not to penis. - Local Baths, Rx (Elevate, warm water dressings, opium, Emollient poultices, & Ice beforehand 30 - In Internal parts, very mild injections - when getting low & declining Stronger injections. - Syringe 1½-2½ ℥. Pass water before injection. Tuck nozzle in 1 inch. Keep fluid in for 3-5 min. 1 or 2 a day. Then give him Rx, or

Loaf Sugar	℥ij.	Sneph. Mag.
Gum Arabic	℥ij.	Dart. Emet
Balsam of Copaiba,	℥ß.	Bals. Copaib.
Camphor water,	℥vj.	Ointment.
Sweet Spts. Nitre,		Tinct. Ios.
Morphine.		Camph. Collo.

2 or 3 capsules. Morbid Erections Rx

Dart. Emet; Anodyne. } Cold at night.

Pump out of bed, Dorsifacients.

Bache. $Hg = 200$. | $Hg = 100 = hg$.

Protoxide, HgO. Deutoxide, HgO_2. Protochloride (calomel). $HgCl$. Bichloride (Corros. subl.). $HgCl_2$. Bi-sulphate of deutoxide, $HgO_2, 2SO_3$.

Suboxide, Hg_2O. Protoxide $2(HgO) = Hg_2O_2$; Subchloride (Cal.) Hg_2Cl. Protochloride (Cor. sub.) $HgCl_2 = hg_2Cl_2$; Monosulphate of protoxide, $hg_2O_2 2SO_3 = 2(hgO, SO_3)$

Argentum U.S. Ag. 108, — Sp. gr. 10.5. Fusing point 1873°. — AgS and NaCl — AgCl and NaS ≡ AgCl and Hg and Fe = AgHg and FeCl. — Ag with O, — Ag_2O —

Argenti Oxidum U.S. AgO. Ag with Cl, — AgCl, ≡ AgCl and KO, CO_2 = Ag and KCl and O and CO_2. Ag with I — AgI — Ag with Br AgBr. — Ag with Cy, Argenti Cyanuretum U.S. AgCy, AgCy and HCl = HCy and AgCl.

Ag O as a base,

Nitrate (2 forms) Argenti Nitras U.S., Argenti Nitras Fusus, U.S., AgO, NO_5; (anhydrous crystals)

Mitchell, Laudanum will help of painted above eyes in case of blindness in old peoples (Nervous); — In afterpains paint mammary glands in form of cerates in anthrax, Braithwaite p. XXXVII. No

opium to child under 1 year; child

Footnotes p. XXXVIII. LVI

opium to child under 1 year." Child without Evacuation." Nurse has given opium in some form. Dr Quincey's book. Coffee taken by Turks as antidote to opium. Ammoniated tincture of Valerian used by Dr Lee. Perry Japan.

℞ Ammonia Aromatica Spts. ℥ss
Bruised root of Valerian ℥iv,
Macerate 14 days. — Assafoetida, —
Abandon opium at once, — Nervous
Excitement will counteract it. (German
student, 25 gro. Acet. of Morphia.)
— Slow breathing in poisoning. Smell. — Test,
persalt of iron will make blood-red
the organic acid of opium, (this acid
makes an insoluble salt with lead
— will not do for Morphia — Antidotes,
Often days give alkali for morphia
& insoluble. Emetics, Ipecac + lemon
juice, Sulph. of quinia, tannin,
Cold douche, stir him up, galvanism,
Electricity, Corr. sub. to opium,
(antagonism) ✓ Clinic, Feb. 5th
1862, Child, defect in knee joint,
& the twist of hamstring, (Paracentesis)
3 or 4 Cases of trouble with the lower

Extremities, — hip disease, no iron, quinine, rest for 6 mnths.

Mitchell, Oxygen gas, as a remedy, operates primarily on the blood; — Pareira Brava, other names, native of West Indies, an old remedy revived, the root employed, called a tonic, & Lithontriptic, Powder, Syrup, Infusion, tincture, doses — Pepsine, import of, true & false kinds, American and French, uses & doses — Phlorizine, a peculiar article from roots of fruit trees, how got, uses, Phosphorus properties best learned by Experience, modes of use & doses, poisonous action of, Phytolacca Decandra, native U.S., Everywhere. [Pepsin, Braithwaite, XXXV, — Phosphorus, Braithwaite XL. — Poke juice for form of tetter in Geo. Weather, itch;] Gross, Feb. 6th. 1862, ~~Stri~~ — In Chronic Gonorrhea Nitrate of silver, — heroic injection, substitutes discharge —

injection, substitute discharge -
- stricture of urethra, spasmodic
& permanent. 1. Gr Edema diagnosis
often, treat by anodynes & warm
baths, fomentations about the part,
enema, - organic, gen. from gonorrhea.
lymph then Comes fibrous tissue Symp-
toms, trouble in passing urine. gleety
discharge, spiral form to urine; - may
make inflammation in many parts, it de-
composes, abscesses, fistula, - dilatation,
cauterization, incision (in two direc-
tions), Purge, diet, Silver catheter,
oils (nausea, calomel.) 1. 15 nts, 2.
30 nts &c &c. Dies stimulates absor-
bents, forced dilatation, point Conical, keep
instrument for 48 hrs, clean & re-insert.
after time one 24 hrs, stay for 2 or 3 hrs.
Power of absorbents in play. slippery Elm
bougie. 2 - In morbid sensitiveness use Cautery
every 4-6 days then dilatation, caustic K O.
($\frac{1}{10}$ gr.). 3. Urethrotome, then gum catheter
for week, Dessaux (?) Syme's perinæ-
al section, when non-permeable stric-
ture, cut on raphe, (button-hole). Can
get into bladder, can't get into it,
- Effects, abscess, open it 3 Probe,
Gold (ammm) Au, 199 - 19.3 - fusing
p. 2016°. Most malleable & ductile
metal. Acids 3 and 6 (Fe_2O_3, SO_3) = Au

2 (Pt_2O_3 $3SO_3$) and Fe_2Cl_3. Au with O - AuO_3 - Au_2O_3 - Dest for gold in $SnCl_2$. = Platinum Pt - 9.9 - sp. gr. 21.5 - discovered in 1741 - $PtCl_3(NH_4)Cl$. = Rhodium, R - 52 - sp. gr. 10.6 (Reynault) 12.1 (Deville) D. Wollaston = Palladium, Pd, 5 3 sp gr. 11.3, Discoverer Wollaston - Iridium, Ir - 9.9 - sp. gr. 21.8 to 22.8. - Densest & most infusible metal, - Osmium, sp. gr. 10. D. Tennant, Ruthenium, sp. gr. 8.6. D. Claus in 1845 - Nickel, sp. gr. 9. D. Cronstedt in 1751. Cobalt, sp. gr. 8(.) D. Brandt in 1733, Uranium, sp. gr. 18.4. Au + $SnCl_2$ makes purple powder of Cassius (.), from Pt. down to Ruthen. inclusive platinum metals. - To tell KO from NaO take bichloride of platinum & P. P. Pot. Precip. (by) Plat, Iridium hardest metal, Nickel & Copper = German silver.

Mitchell, Pills — taken in Cherries & apples. Powder of liquorice root, Piper, pepper, allspice Antes, Q. fever & ague, Piperine vs Quinia, After four doses Piperine daily, — Charcoal, Blue Mass sugar solution as Lymph gargle, — Tar,

Lumina | garegle, ...

Bishop Berkeley used this in phthisis, a tar-beer. — Itch, Braithwaite XL.

Deodorizer, Coal Tar, Gypsum, } on foul Photo. ——

Plumbum, sheet lead pressing on tumors good, — Goulard's Ext. dilute by ℥ to O j, — Rx Minimum 15 grs, Goulard's Ext, ℥ j. } fetor of feet, bet. toes put this,

Taylor's Medical Jurisprudence — Braithwaite XL in phthisis, 2 to 16 grs. a day of PbO, CO_2 up to blue line; hemorrhoids (external), — for poison'ing give Sulph. acid lemonade.

Dunglison, George Henry Lewis "Philosophy of Life" } Gross, Feb. 9th. 1862. Extravasation of urine into peritoneum terribly fatal, — In gunshot wounds, might cut down & sew up bladder, — behind triangular ligament goes into perineum. Before triangular " goes into hypogastrium & scrotum, — Erysipelatous blush, crackling, open up, catheter, anti-phlogistics, — fistulae in urethra, nitrate of silver, or Tinct. Iod, red hot bistoury, — Cystitis, from gonorrhoea,

dyspepsia, indigestion, &c. - bleeding, rest, light diet, with Dover's powder, verat. viride. Dover's powder, - laudanum to part, Epsom salt, - Cystorrhoea, thick, ropy, inspissated mucus, health impaired, + phosphates, offensive (often from large prostate). Columniform bladder, may be adventitious &c. Vesical Catarrh, Chronic Cystitis, - Remove exciting Cause - active purgative Rx / Uva Ursi,
Calomel / Hops, Buchu,
Jalap āā gr X. / Pareira Brava,
$NaO, 2CO_2$. - Nitrate of silver - Irritable bladder, (calculus &c.). frequent desire habit, - Neuralgia, peculiar pain, may be malarial, no signs in autopsy, quinia &c, in gout, Colchicum &c

Bache, Antimony, (Acidifiable metals) (Stibium) Sb 129! sp. gr. = 7.9. Fusing pt. under a red heat, Sb with O. Deroxide SbO_3! Antimonious acid, SbO_4, Antimonic acid, SbO_5. - Antimonii Oxidum, Ed. Dub. SbO_3 = SbS_3 and 3HCl = $SbCl_3$ and 3HS. - Sb with S. SbS_3 - SbS_4 - SbS_5 - ~~Antimonii~~ Sulphuretum U.S. SbS_3, ~~Antimonii~~ Sulphuretum Preparatum Dub., { Kermes mineral Golden Sulphur

} Golden Sulphur

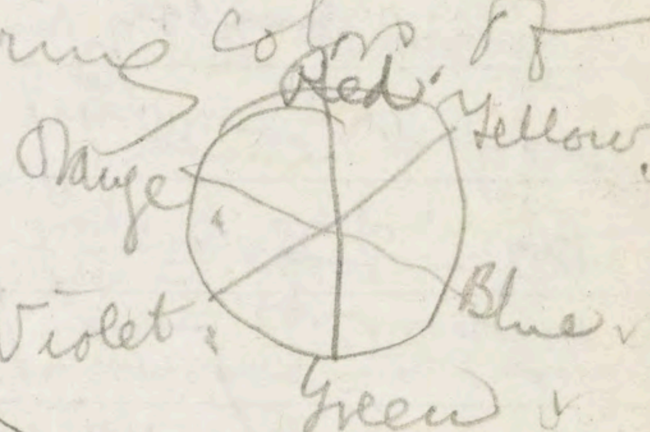
= [III] } $Sb\,S_3$ nearly pure. } Antimonii
= ———— } $Sb\,S_3$ – $Sb\,O_3$ + free S. } Sulphuretum
} Precipitatum,

U. S. $Sb\,S_3$ – $Sb\,O_3$ and free S. } Meigs

After birth, if likelihood of hemorrhage

℞ Ergot gr xxx

in water. "Down on oat meal for first food" "not much sugar" (tympanites), milk will come in 3 days, lochia for 30 days. Keep her in bed for 10 days. Go into street 21 days flex thigh on pelvis, must be no pain, & then give cough; see that it is not felt. — Vibgyor Frazer's name for remembering colors of Solar spectrum, "Harmonic colors".



Jeff. Clinic,

Pancoast, Feb. 8th. 1862. A volunteer, a fluctuating, painless, cystic tumor, to be removed on Wednesday; = Strabismus glasses, slide to make [illegible] where he wishes. — Case of white

Swelling after Cautery, ca tonic pill give oxide of arsenic, — Case of polypoid tumor of nose. 20 years standing, apt to be hemorrhage.
Rx
Persulphate of iron 1/4.
Water 1 — cold water baths, plug them if hard to stop, — Be prepared, Gen. start from two upper turbinated bones. — Physic used too, but better myrrh & an astringent, some nitro-muriatic acid, — Adipose tumor, hardened from above spine of scapula, woman, make flaps 65 years old, hypertrophic tumor, 13 years standing, — Excised, as large as uterus at 9 mths. Delaware Co. Pa. Dr North, Mitchell, — Acetate of lead, other names, how made, sensible qualities of, Incompatibles, uses, doses, — Iodide of Lead, how made, uses of, Tannate of lead, how made, Nitrate of lead, a disinfectant, how made, Poisonous action of lead on Drinks, food &c,

action of Lead on Drinks, food &c;
how met - Poisons of Cicuta, uses, —
Polygala Senega, other names, native of
U.S, Sensible qualities of, Solvent of
Contrasted with another Root, points of
difference, therapeutics of, Senega
a popular Cough remedy, how to use in
Amenorrhea, Polygonum, Hydrophyes
water pepper, native of U.S. - uses
of saturated mixture. Soluble Sulphates
incompatible with P.b.O.A. - antidote
to P. is magnesia, Infusion of
Clover head in asthma (New York
Tribune of to day D.B.M.).

Not alum + P.b.O.A. &c. ∴ antidote
Epsom Salts. In uterine
hemorrhage the best. In pneumonia
Bowel Complaints, Phthisis, Epilepsy,
Chorea, — tea of Senega root
℥j and ℥j liquorice ball
+ ℥j rock candy, for cold,

"Spontaneous evolution of Foetus".
Sept. Oct. 10th. 1862, acute
Cystitis, tenesmus in bladder, sense
of weight, urine often, little, scalds,

Mucous, — Calomel when Urates plenty
to divert, diaphoretics, — Paralysis
injury to brain &c. hurt to Spinal Cord,
over-distension, direct injury to parts
shock to System, — draw off urine
6 times a day, re-animate, Irritating
Cathartics, Counter-irritate, — tinct. ferri
Chloridi, nux vomica, actual Cautery,
— Cancer, Encephaloid, Scirrhus, Fi-
bro-cancer, Melanosis, Bloody mucous dis-
charge, Sharp pain, — Prostatitis,
acute, chronic, Symptoms as in Cystitis, treat
same way, may be pus, Regor shock
bath & heat, & enlargement. Ways 1. into
urethra. 2. rectum. 3. perineum, In
case early last fistula. Let it not go
into these, chronic Cet 50 & 70, qu. En-
largement, granulations, little hope, Sal
ammoniac has been used, — Retention of
urine, in 3 days typhoid symptoms, sordes
fur blackish, delirium, hippocratic look,
may be some dribbling guttation, Causes,
1. mech. obst. 2. paral. & Spasm,
4. inflam. 5. pelvic tumors, 6. mi-
asma. — in Enlarged Prostate
as in tonsilar round Enlargement,
3rd. lobe don't usually exist but is
only in old age
from disease or hypertrophy. not
gum elastic tube, Silver Catheter,

Bache, Glass of antimony, $n\ Sb^8 O_3 + n\ Sb^8 S_3$ contain 95 per cent of $Sb_2 O_3 + 3\ Fe_2 O_3$. Crocus of antimony $n\ Sb^8 O_3 + n\ Sb^2 S_3$. Pulvis Antimonialis Compositus Lond. (Antimonial powder). Composed of oxidized antimony mixed with bone phosphate of lime, - Sb with bl. $SbCl_3$ - $SbCl_4$ - $SbCl_5$ - Perchloride $SbCl_3$ - SbS_3 and 3 2HCl = $SbCl_3$ and 3 2HS, Antimonii Perchloridi liquor, Dub Oxychloride of antimony or powder of Algaroth, 3 $SbCl_3$ and 6 HO = $2\ SbO_3, SbCl_3$ and 6 HCl. — $2\ SbO_3 + SbCl_3 + 2HO$.

Mergé, Two face presentations, deviation from 1st. vertex gives this, duration from 1st " " this.

Dr. Gross, Feb. 11th. 1862.

Take an instrument longer & of greater curvature, put finger into rectum to guide inst. over obstacle, (silver), Beware of filling the calibre with effused blood. Better have stylet in catheter. 2. paralysis. (protracted parturition &c. apoplexy, concussion. fever injury.). In old age, Don't empty all "stimulus of Extension" (J. H.). hysterical bet. 15 & 22. She has power but wants will. Surgery valerian, Hoffmans anodyne "not too much catheter" Threaten emetics, 3. Spasm, anodyne, + sweet spts. nitre, purge, 4. Inflam. " " Do catheter carefully.

5. Pelvic tumors 6. Masked intermittents. Quinia, &c, mode of catheter, double T bandage. Bache, Mistricks (arsenical preps) $Fe\,As_2$, $Fe\,S_2$. Arsenicum U.S, As-75- Sp.gr. 5.8. - - Brandt in 1733. As with O_2 - AsO_3 - AsO_5 - Acidum Arsenosum U.S, (white arsenic). (White oxide of arsenic). $2\,Fe_2O_3$ and $AsO_3 = 4\,FeO_3\,AsO_3$. = Arsenic acid AsO_5. - As with H. As with S, Realgar, $As\,S_2$ - Orpiment $As\,S_3$ - AsS_5 - As with Cl. Liquor Arsenici Chloridi Lond, $As\,Cl_3$ (De Valangin's Solution) - As with I, Arsenici Iodidum AsI_3 U.S, Liquor Arsenici et Hydrargyri Iodidi U.S (Donovan's solution) AsI_3 and HgI_2 - aa 35 grains - distilled water, half a pint. Liquor Arsenitis (tests, to form arsenite of copper + silver + sulphuret of arsenic (orpiment -)). HgI_2. Potassae U.S. (Fowler's solution) Contains KO, AsO_3, —— Chromium, - Cr - 26 - Sp. gr. 6. Vauquelin in 1797. Cr with O, - Sesquioxide Cr_2O_3 - Chromic acid CrO_3 - Salts, KO, CrO_3 - $KO, 2\,CrO_3$ - PbO, CrO_3 - $Cr_2O_3, 3SO_3 + KO, SO_3 + 24\,HO$. ($Ac_2O_3$)

Reusch's test by collecting arsenic on copper foil. Mitchell, Virginia + Rattlesnake root, (Aristolochia structura), used in Croup, - Polygonum Hydro-

for uterine disorders. — Potassa

for uterine disorders, — Potassium — Potassa, — Escharotic — in hemorrhoids, — poison by it (oil — acids.). — Soaps for burns & Scalds, sal absinthii, Kali ppt. synonyms for Carbonate of potash, so Sal tartaris. — Mosely's solution for pertussis ℞

Sugar
Cochineal.
Carb, Pot.

KO, CO_2 + I. — Nitre — compost heap & lime + KO, CO_2. —

nitre deflagrates, sulphate of soda will not. — Sal prunella — in gravel, in milk, haemoptysis, — in acute rheumatism, ℞ 600 grs a day by Dover (?). — in scurvy Prunelle salts ( ) Dunglison,

if 1/6 th. second interval, sight continuous, two pictures dark & bright same size give ideas that 1st. 1/5 th. less than 2nd, — Mediate & immediate qualities, — Laura Bridgman, — Dr. Dowler of N. Orl, on alligator. — facial angle 85°.

Jeff. Clinic, Feb, 15th. 1862,

Neurotic affection, ℞

Sub Carb. Iron as much as can be held on 10 ct. piece.

Young boy. Symptoms of Chorea, Sub Carb. iron & a purgative.

– little girl, deafness from Scarlet fever, External discharge, – Ann Laury aged 18, cold, She spat blood, Rx Domestic remedy, – Sarah Hughes 17, Cough for 2 years, External, ~~[illegible]~~ ~~Iglis~~, Rx

Ol. Iglis
olive aa p.e.

~~M~~, "principle of derivation",
House mixture + 10 drops tinct: opii: camph: don't touch Eye!! – John Alvell, aged 38, dyspepsia – diet, take ~~meat~~ boiled milk + bread for breakfast, (unfermented bread good), – neat potato, ~~meat~~ meat, no vegetables Rx

Carbo: Ligni, 3
Magnes: Carb: 2
Pulv. Zingiberis 1.

S: Spt on 10 ct. piece, – Coarse towel, friction ~~Jas~~ Jas. Rodgers, aged 63, stone-mason, Cough, spat blood, bronchitis, treatment as usual.

Dr. Pancoast,

Man (cavalry) wounded at Bull's Run, (Gen. Sumner's), Cannon ball killed horse, and wound ~~from "windage"~~, without injuring boot, sloughing ulcer, lap

2 miles at Fairfax, ununited tibeal

2 mths. at Fairfax, ununited tibeal fracture. — leg elevated, check Erysipelas, sedative lotion ℞
strong Extract of lead ℨj.
Laudanum.
{ poultice, Quinia & iron & quatia amara. ℞ Quin.
Iron Pyrophosp.
Comp. tinct. gentian, — little Child, Atresia vaginae. Probe will do this. This opens it. Myrrh or sweet oil. Wart on face disposed to be malignant, strangulate this. Oxide of zinc ointment.
White swelling, & anchylosis, (1st. has gone) (false) This will be corrected. ~~Probe will do~~
Little black boy, many ~~fatty~~ tumors, fibroid. Remove them, — Cystic tumor, (a volunteer,) on side of neck. Superficial, — sooner excised, if person sits up, & evulse, cut bands, make line { "sphincterismus" Meigs.
— 4 breech presentations 3 anterior 1 posterior, — 1 in 48. Remember the Curve. Pull at 6 lbs safe,] Mitchell. Elaterium 1/8 gr. Salts Epsom ℥j. — juglans 20 — 30 grains, as diaphoretic 1/4 gr. tart. Emet. Ipecac 3 grs. Acet Ammon. ℨj.

Sweet spts. of nitro ʒj, Boneset 1/℥ to 4. — Prussic acid is lighter than water, ∴ Shake up before administering.

Clairtôtte, [Dr. Gross Feb. 14th.

Puncturing the bladder, 1. pubes. 2. perineum (best for impassable stricture), 3. hypogastrium. 4. Rectum (in enlarged prostate). But better cut away enlarged part. — All may be dispensed with, — Incontinence, may be symptom of retention, injury, spasm, inflam. 4. paral; — often in children under 10 yrs. may be from worms, cerebral disease, too much saccharine food & masturbation. Often actual cautery on loins, Ergot (watery Ext.). Strychnia — tube may be too large naturally, hard to cure, — AgO, NO_5. dry supper, bowels right, wake up child, — receptacle, = Symptoms of stone in bladder. — uric, oxalic, phosphatic, formed in kidneys, concrete in bladder, after exercise bloody urine, health remains often & long unaffected — Sound, oil it well, have 3 or 4 ℥ of urine in, finger in rectum may be necessary, urinary deposits — diseases of testicle, vaginal tunic, & spermatic veins.

& Spermatic Plexus.

— Varicocele, on left side (no valves here as on other side, sigmoid flexure, lower testicle), feels like Earthworms, or Squirrels intestines. By lifting Scrotum it goes away, more sweating on this side, gen. from Masturbation. Palliative & radical! 1. Suspensory bandage, bowels — 2 ligate veins subcutaneously - from before backwards, & then cauterize & back in front, ⊙ & ⊙ tight, then button & horse, more good, tighten it in 48 hrs. — Hydrocele, darken room & candle, translucent, tinct. iodine, tent or scton, (24 hrs - weeks). — Hæmatocele, free incision, Bache,

Laws of Constitution

1. When O & H both present, ~~H~~O in Excess - an acid, 2. When N, C & H together, with or without O - organic base or alkaloid, 3. When Equal number of Eqs. of HO & O - Neutral Substance, 4. When C & H are both in Excess - an alcohol, ether, hydrocarbon or Resin, S. 5. Certain organic groups have a common radical. 6. Many organic substances may be represented by two added together. 7. Certain organic groups are derived from

Model Compounds, - Dutch liquid $C_4H_4Cl_2$ - $C_4(H_3Cl)Cl_2$ - $C_4(H_2Cl_2)Cl_2$ - $C_4(HCl_3)Cl_2$ - $C_4(Cl_4)Cl_2 = C_4Cl_6$.

$KO, 2CrO_3$ and $4SO_3 = Cr_2O_3, 3SO_3 + KO, 2SO_3$ and $3O$.

§ 1. Carbo-Oxygen acids, Oxalic C_2O_3 - Croconic C_5O_4 - Mellitic C_4O_3.

§ 2. Carbo-hydro-oxygen acids. 1st, Subsection, not fatty, 2nd, subsection, fatty, Acetic acid, $C_4H_6O_3 + 2HO$ or $C_4H_4O_4$, - Acidum Aceticum U.S., 1.041. - Acidum Aceticum Dilutum U.S., monoxalato-binoxi-Tquadroxi, & potassa. - Liquor Plumbi Subacetatis, U.S., base of lead water of Surgeon, - $C_2HO_3 + HO$ Formic acid. (red ant.), - Pyroligneous acid, - Lactic acid $C_6H_5O_5$, Mitchell Dartrato & Bi-Tart. of potassa, latter sparingly soluble in cold water, & in alcohol, latter salt is acid. - Soluble in hot water, cathartic diuretic (2/1) - Drinks, Rx

New milk	Oj.	Sugar ʒiij
Pot. Bitart.	ʒ 1/4	Lemon juice ʒ½
		Bi Dart Pot

Sulphat Pot, - Acetate, - "Sal diureticum." Chlorate, in solution (Berlin) Rx 5 to 8 gro. 4 times a day

Sugar (England Brandy to + L-V.) - Scarlatina maligna. - Watson's formula Rx

Chlor. Pot ʒij. } of this f ʒj,
HCl, } Water Oj
Water ℥ij aa, }
δ, 2 spoonfuls internal 3 a day, & gargle,
- diphtheria, - croup, - Cancrum oris
- Gonorrhoea, leucorrhoea, ℞ purge & then

Chlor. Pot. ʒj. } ʒss every
Water ℥viij } hour as
} Enema.

- in profuse Salivation. - a prophylaxis
- perm manganate of potassa Condie's fluid. - in diabetes 2 grs - ii.

Dunglison, Average of cerebellum to cerebrum in mares 1 to 6.59, in geldings 1 to 5.97 in Stallions 1 to 7.07, - Gall & Spurtzheim on phrenology. Dr. Noble on "brain", 1846. authority with phren. 1853 on "psychological medi-cine" retracted views "not proven". "bull necked", cerebellum said to be seat of amativeness "not proven". not source of motion but probably regula-tor of Sleep. Scott's "Demonology"

Dr. Gross. Feb. 14th. 1862. Incontinence of urine, patient is to lie on side for then is less pressure

on the morbidly sensitive part, (the causes), Ergot, no supper, urethra switch, wake up few hours after sleep, — Epididymitis, astringent, topical bleeding, strap testicle, shave it, draw testicles apart. Circular strips (inferior part of cord first) then vertical strips, tight, 1 a day, mercury may do, let matter out, (Run finger into rectum to get catheter over bulb,), — may have to be extirpated; — Cystic degeneration, uneven surface, formation of cysts, — Extirpate, — Encephaloid, External, smooth, elastic, great veins, begins in body, ablation, Scirrhus, (Scarce). — tubercular disease, I, — Prostatorrhoea, confounded with Spermatorrhoea, (mucous). — Hernia. Intestines (small) & omentum, oblique, direct, Scrotal, umbilical, femoral, [illegible] ventral, Entero — Epiplocele, peritoneum is hernial sac, names as in uterus, mouth, neck, body, bottom, hernial tumor, reducible, irreducible, strangulated, — if bowel only, elastic, soft, crepitates, sneezing &c. is felt, larger after meal.

Es felt. Larder after Meal
if mentum, dougly, no air, no gurgling
noise. — if reducible, truss. bandage
Evacuation chalk is only 9 mths. old
Hood of K.g. (modified by Chas of Pa.)
cedar or Sycamore wood, concave agst.
Jets, — At makes slight curative in-
flammation 6 — 18 mths, wooden
pad best. Radical Cure (not good) to
encapsulating skin, & confined it,
transfix & tie, Keep it on for months.
Bache, KO, T and CaCl = CaO, T,
and KCl, Acidum Tartaricum U. S. — $C_4H_2O_5$ or T. — Potassæ Bi-tartras,
U.S. (Cream of tartar) KO, 2T. Po-
tassæ Tartras, U.S. (Neutral tartrate
or soluble tartar) KO, T, = KO, 2T,
and $KO,CO_2 = \frac{1}{2}(KO,T)$ and CO_2. Sodæ
et Potassæ Tartras, U.S. (Rochelle Salt)
KO, T ~~+~~ NaO T + 8HO. Ferriet po-
tassæ tartras U.S. (tartaniger iron), KO, T
+ Fe_2O_3, T, — Antimonii et Potassæ
Tartras, U.S (tartar emetic) KO, T +
SbO_3, T + 2HO. — Acidum Citricum
U. S. $C_{12}H_5O_{11} + 4HO$. (Bache
says always (NC, HO), SbO_3 or
glass or Subsulphate used. — antimon-
al wine 2 gtt. to ℥j. — para tartaric
(racemic).

Seidlitz has some Rochelle, NaO, 2T + T̄. — valerianic acid from fusel oil, (+4 3HO) + SO$_3$ + KO, 2 CrO$_3$' — Acidum Tannicum, U. S. (powdered gall nut or ether, tannate of gelatine insoluble, (this is tanning). — gallic acid, ~~mec~~ meconic acid forms red precip. with salts of iron, — malic

Meigs. 4 pos. of breech presentation, when (& of the other pos.) can't be turned, bring woman to Edge of bed, bring child over on back, — remember advice, finger in ~~mouth~~ no ether. "Not more than to see London." — Dr time of head in; put fingers over nose & keep off pressure & let it live, — "hooked."

Shoulder presentations (gen. from obliquity of womb) 2 (right & left). 4 positions of each.

Dunglison, Two tubular tissues nerve & muscle, — sulpho-

nerve + muscle, — sulphio—

Cyanide of potassium destroys nervous irritability of muscle.— Curare (poison) destroys motor power of nerves (to stimulate muscles,) — Ligate nerve it wont act, hence not Electricity. Woman in Paris raised 300 lbs (granite) by seven plaits of her hair. Philadelphia (Blockley) Hospital, Feb. 5th. 1862. — Dr. Gross, 1. Carbuncle, hard, circumscribed, disorder of digestive organs, on neck this is, local, Tinct. Iod. blister, poultice, may have to incise, caustic K O internal — cut, yeast poultice + PbO, A, quinia, tinct. Chlorid. ferri. — Chancre, restrict diet, purge, rest, Elevation of penis part, Emet + scat. viride, ℞ Cupri sulph gr 1/8

Tannin ℥ij

Opium

Water

College, Dunn Jeff. Med. division. Tell[illegible] Allegheny sites.

University of Virginia (Johnson Dr. D.).
Got an appropriation of $20,000
on a bill "to alter stated meeting of
Board of Visitors & other purposes"
℞ (Weaver).
℞ Oleum Cetacei in hot coffee,
½ dessertful of this, 2 a day,
— comprises great Saphena vein
trying veins that no bad blood
if such there is may go into the
system. — Children not liable
to polypi. Case last Saturday of
tumor on neck. Volunteer has died,
— He had spasmodic croup, smothered
by mucus. — Club foot. Mitchell

Prescriptions, ℞ (Rush's Fever powders),
Nit. Pot, ʒj;
Cal. ppt gr xviij;
Tart. Emet gr j;
12 powders,
cures chronic rheu-
matism 24 drops of
Solution in ʒvj of
Chloride. Bull. & Ernst.

Phosphylamine
from herring
pickle, cod
liver oil, Ergot
— an alkaloid
man says.
water.

Chloride, Bull. & Brest.

Meigs, bent child over on belly in (pelvis) present, — In case of hemorrhage before delivery, get water out, — turn & deliver if Exigency. — Asracles & Asclepiads doctors, a caste, in Greece. Of these is Hippocrates. — 1542 Thomas R— first made book on midwifery in Engld. "Woman's book." Paul Chamberlain (Hughson, Peterson) 16— ; Thomas died 1666 Oxford, Student. { Mortimer Hall" "Woodham), Forceps found by new occupant in 17—, These are models from Royal Society, London.

Mitchell (Sat.)

Rx Quin: sulph. ʒi.
Acid Arsen. grs 2,
Cupri Sulph. grs x.
Conserv. Rosæ q. s. ut fiant Pill. xx, one every hour.

Rx Strychniæ grs 2.
Alcohol vel
Acid Acetic ℥ij.
~~To~~ adult dose 6 drops three times a day.

℞ Acid Hydroc. med. ℥ss.
Aquæ ℥iv.
M. S. a. adult dose a tea-spoonful Every hour,

℞ Quin. sulphat. ℥ss.
Aquæ ℥ij.
Acid sulph. q. s.
adult dose, tea-spoonful Every hour,

Dr. Gross, Oct. 17th. 1862.

Operation of hare-lip nature, refresh edges, for hernia, first performed by Ives at Jefferson Clinic. trusses, - Irreducible, (plasma may cause this, or hypertrophy of omentum &c, or constriction) a bolted pad is used, radical, light diet, Blood letting, tart. Emet. ℥ss. vesat. vinde, - strangulation, Effort at reduction, - Chloroform, flex thighs on pelvis, legs bent together, 1st. draw tumor towards yourself, 2. Compress it uniformly, Sound of escaping air, press in line of displacement, Do this even to ½ hr. if not much pain & inflam. Lie for 6-12 hrs, then trusses, - may bleed him, but not warm. Bath, ℞ Morphia 1/gr, ~~ss~~ da, no cathartics &c. - operate, you may find light or colored in hernial sac. take probe pointed bistoury notch for a line to a half, put bowel up first, make

half. put bowel up first. make
deep + superficial suture. lock
patients bowels for 3 or 4 days, an
artificial anus may be produced. —
Oblique hernia inguinal, Epigastric
artery inside, Spermatic cord behind.
- Internal Ring midway between Symphysis
+ anterior Superior Spinous process + 1/4
lines above Poupart ligament - Canal 1 5 or
6 lines. 6 Coverings. - tunics around hips,
pad on internal ring - In old Cases apply
taxis straight upwards for two mins
lie on Paunch. - Knife better go
directly up straight.

Bache

Amylic alcohol (pred oil) $C_{10} H_{11} O + HO =$
Valerianic acid $C_{10} H_9 O_3 + HO = C_{10} H_{11} O$
$+ HO$ and $4O = C_{10} H_9 O_3 + HO$ and $2HO$.

Cyanogen, Co NC_2 or Cy = Sulpho-Cyanogen
is CyS_2 or CSy. Ferro-Cyanogen is $FeCy_3$
or Cfy = Ferrid-cyanogen is $2 FeCy_3$ or
$Cfdy$.

Cyanogen acids, Cyanic CyO,
Fulminic Cy_2O_2, Cyanuric Cy_3O_3, Fulminic, Idem. — Hydrocyanic, HCy —
Hydro-sulpho-Cyanic $HCSy$. - Hydro-ferro-
Cyanic H_2Cfy - Hydro-ferridcyanic
H_3Cfdy. - Non-Cyanogen Acids,
Uric (lithic) $\overline{Ur}$, $2HO + N_4C_{10}H_2O_4$ ii
$KO, HO + \overline{Ur} = NaO, HO + \overline{Ur} = NH_4$
$O + HO + \overline{Ur} =$ $\overline{Ur}$ is set by action of

SO_3 + KO, 2 $C_{10}O_5$ on fusel oil, this oxygenates the " ". (These are under 3rd. Class, fatty acids postponed.) — Serpent's dung is mostly uric acid, anus & urethra combined, + NH_4O, HO | Ur = Purpurate of ammonia, — (add a little NO_5) makes a pink color, — Ur + NH_4O to urine, is bibasic, Salts are acid urates as discussed. — Purpurine (murexan) $N_2C_6H_4O_5$ — Hippuric $NC_{10}H_8O_5$ + HO — (man will turn B into Hip.

Pancoast, In wrist-drop surround arm with cotton & then with oiled silk cap. This makes it sweat. Stimulate system besides, — Intercostal nerves on front don't go beyond centre line but bend around,

Meigs, Davis' forceps (London) best. He has used them for 30 years.

Gemrig, Forceps is to deliver child's head, It is child's instrument, fork & counter-fork, right & left hand legs, Cochlea, junctura, Manubrium, — never meant to enter womb, only

vagina ...

meant to enter womb, Ruptures
Vagina; If head not out of womb
turn & deliver, having ruptured
membranes, Forceps, if head out,
Unfortunate if membrane broken
by mother at beginning of labor.
Castor oil, Quinine & Ellis.
Spinal accessory to vocal nerve
Dunglison, ΑΕΙ Greek always
vowels prolonged, idea that sound
of letters can be kept up for ever,
Ch, Sh, Th, Ng, should be letters,
no C, W, Q, X, Y, = Faber's
at Musical Fund Hall, Instrument.
(16 letters,) Reads Syllabically,
in Germany, Rabbi Conventional.
Dr Elson, Feb. 18th. May not
dilatation of pupil by belladonna
be from contraction of transverse
& not from paralysis of circular
fibres, Cross, Incomplete inguinal
hernia Rupture at Ext. Ring
Ilium, — Direct Recto-inguinal
Epigastric artery outside, tumor passes

through split in fibres of transv. & int. obl. muscles. - Spermatic Cord out. side, 5 Coverings, truss ~~over Ext.~~ a little above & behind Ext. abdominal ring, in long standing, make pressure directly upwards, in recent directly backwards. - If strangulated, it is on upper margin either of Ext. abdom. ring or ~~aft~~ the two muscles, knife directly upwards. - Scrotal hernia, skin, dartos, sperm. fascia, cremaster, transv. fascia, hernial sac, testicle at bottom, spermat. cord behind & at superior extremity, - Include compress & adhesive strips till 1 year old, - Femoral hernia, more in female, Int. femoral ring, above Poupt's ligament, ~~outside~~ Gimbernat's lig, outside, femoral veins, below, pubic bone, Ext. femoral ring tumor small transv. diam. longer, hard tumor bends over & up, - pad below & in contact with Poupts ligament, internal ring opposes curve for no lymphs. pad nearly vertical, - invert limb & flex, - press it down, & then up. back. in. - wait for little time, - knife, sepw. & little

for little time, — knife, wiper & little

inwards, or saw with blunt ~~knife~~ knife.] Bache. Class 2, § 1, natural, 2, artificial, ¶ Great enumeration as brucia, digitalia &c. &c. &c. &c. NO_5 strong forms with them Oxalic acid, diluted makes a salt, tannates all insoluble, — way to get alkaloid, natural salt by making infusion strong (may acidulate water), precipitate by CaO or MgO in excess, alcohol boiling takes up alkaloid, distill off alcohol, — feeble saturating power, — salts more poisonous than ~~these~~ alkalies, because more solubles (sulphate, muriates, acetates, nitrate), — In ~~opium~~, — meconic acid gives red with salts of iron, but so ~~does~~ sulpho-cyanide of KO does, — but Corrosive sublimate bleaches the latter, = sulph of morphia gives blue color with ~~Fe_2O_4, $3SO_3$~~, sesqui chloride of iron, — strychnia gives with SO_3 and $KO, 2CrO_3$ a purple color, brucia 1/12 strong as strychnia. veratria + SO_3 red, Hemlock base is

a oily liquid, - Urea by evaporating urine to syrup, add NO_5 get nitrate of urea, then re-act with PbO, NO_5 and urea will be set free, ~~dissolve~~ get by boiling alcohol. } Mitchell

Pumpkin Seed, good for ~~taenia~~, so pomegranate, (I was at the lectures of 1859-60 when Jefferson had her largest class.) + Castor oil, also for dysentery, Quassia, has been used in intermittents, quassia cup, bitter, oak

Powder, Oak bark
Snake root
Dog wood
Prun. bark
} for intermittents

Rhatany makes blood

Red stools, - ozena, ℞
Chloride lime ℥j
Rhatany ℨ X - XII.
} ℥ss a day thrown up.

Rheum, when suddenly grown, the plant contains oxalic acid, and may be poison, should be

mottled root. It contains tannic acid & hence in small doses is used as tonic, Tea, (Bi Carb Soda) (Symp of Wild Cherry) &c. Aromatics are anti-septic. calamus, — Oleum Ricini, Hittler or med of bean bad for stomach, "Cold drawn" & "cold pressed" Heat it in winter, — ℥ in habitual costiveness begin with ℥ and 2 or 3 after days, ℥ ss &c, &c, ring worm in Erysipelas, Rosemary, used by bad men for abortion, It will do it, — as emmenagogue, — Rue said to act as digitalis as sedative. Sabina, juniperus, fragrant, 1/4

~~Dunglison. T letter of stopping hard to sound, S soft, & single~~

~~Congenerous letters.~~ { for Stammering
P F T S K Ch. } I saw in Ladies
B V D Z G J. } paper (D.B.W.),
that beating time will help,
do slowly, a syllable to beat,
don't hurry, Yale & Edinburgh boys
Dies regularly. Harvard & Oxford Analects.

lisping, lambdacism, r roll (Northumberland Br. (the letter of resistance) (stammerers can sing.). don't divide velum palati, parts all right. Bates, (Shoemaker,) Philada. to correct p little tube on upper teeth to let some air out, press on lips; gives confidence, — for k &c. he pressed a spring on thyroid gland & affected vocal chords — "Explosives" Chorea of the voice. r roll from too long contraction. must give self — confidence. — Gestures. Man has longer chord than woman. — Doughson's Clinic reported in Braithwaite 1852. | Jeff. Clinic. Feb. 19th, 1862. — pharyngitis; tinct. opii camphorata, Dover's powder, + calomel (a little). Brown mixture. hot baths — Mary Lloyd, aged 27, married. Case of indigestion. give her a tonic, & powder Rx.

Carbo Ligni 3 } as much
Magnesia 1 } as on, 10
Zingiberis 1 } Cts piece,
Aerated bread, coarse towel, thr. bef. of meal.

Caroline Brady, aged 60, ~~[illegible]~~ itching, - turn to her Pan-Coast. - Patrick - aged 3, restless at night, - flannel bandage - boiled milk + rice = Dr. Pancoast, young child, aneurism by anastomosis on arm, large, some would tie brachial artery, too large to ligate, but better darn with thread (dipped in chloride of zinc,), perhaps time after time, = young boy, injury received 5 weeks ago, danger of ankylosis, move, - Man, volunteer, fell + cut duct of Steno, forming salivary fistula, connect by probe severed ends, - Case of ptosis, too heavy eyelid, pare off integument, cold water on linen, - Case of white swel-

ling, gone very far, has been proposed to amputate, but better as before cut down & take out diseased part.] Meigs anoint forceps with sweet oil, don't put it into womb, lard all over perinaeum, - put left hand blade (lower) in first (= door blade), - runs forceps from side to side, "from handle to handle", left blade in all occipito-anterior ~~present~~ positions of vertex belongs to left side of child's head.]

Dunglison, Mariott (?) made experiment to try to prove optic nerve was not nerve of sight

Gross Feb. 20th, 1862. - Umbilical hernia, ~~liable to~~ females liable, - 3 coverings skin, superficial fascia, hernial sac, - In child use compress, press by ~~it~~ a half dollar, may transfix

opening & not not good; - if strang-

opening & dnt not good; — if strangulated, cut, (probe pointed bistoury. — If bowel mortified, don't return it. — or you may remove part, you may ligate small ulcerated spots by edges of holes. — division External to sac, does best in old Cases, — Subcutaneously, only in long standing Cases, — artificial anus, may result from various causes, Good plan of Dr. Physick to put seton between coils for 15 days, after that will be detached front part, — or Dupuytren's enterotome. — Lithotomy. Be sure stone is there, feel it, — Lateral, left side, skin, superficial fascia, 2 transv. perinaei muscle, 3 deep per. fascia, urethra, lobe of prostate, & bladder. — we divide the small transv. perin. artery, — night before laxative, urine in from 2½-4 hrs. (6 to 8 ℥.). don't tie patient. Keep urine in, staff firm, a little towards right, keep up scrotum. Physick's forceps, hook staff agst. pubic bone —

Incision Outsideway bet tuber, ischii & verge of anus, begin at raphé & make an oblique incision. 1½ in, above verge, lacerate (better) prostate, wash out bladder, tube has been put in by some, "Draw-sheet" under him, flow on for 14 – 28 days, children & old subjects do best under operation, bowels closed for 3 days, Cheselden (1) did this operation, ~~very~~, In female, dilate urethra, – may cut ~~through Symphysis~~, | Bache

3d, Class – Neuter Substances.

§ 1. Carbo-hydrogens N. S. (1). Iso-Equivalent Carbo-hydrogens. $C_n H_n$ Methylen C_2H_2, Ethylen C_4H_4 – Prophylen C_6H_6 – Butylen C_8H_8 – Amylen $C_{10}H_{10}$

(2) Carbo-hydrogens not iso-equiv, Marsh gas series, $C_n H_{n+2}$. Marsh gas C_2H_4 – C_4H_6 – & c C_6H_8 & c – Benzole $C_{12}H_6$ – Napthalin $C_{20}H_8$ – Para-napthalin $C_{30}H_{12}$. Non-oxygenous vol, oils, C_5H_4 or multiples, § 2. Carbo-

hydrogen & oxygen N.S. (1) C and HO. (2)
C and HO and little H. (3) C and HO
and much H. (1) Starch $C_{12}H_{10}O_{10}$ - Gum
$C_{12}H_{11}O_{11}$ - Lignin $C_{12}H_{10}O_{10}$ - Cane
Sugar $C_{12}H_9O_9 + 2HO$ - Glycose $C_{12}H_{12}O_{12}$
- Lactin (Sugar of milk) $C_{24}H_{19}O_{19}$.
Sub S 2. Mannite $C_6H_7O_6$ - Glycerin
$C_6H_7O_5 + HO$. Salicin $C_{42}H_{29}O_{22}$.
(India rubber is a C_nH_n Compound
NO_5 on oil of amber, artificial
musk & gum + NO_5 makes
mucic acid, (Arc-lactic). (Cotton
and $KO, NO_5 + SO_3$ makes gun
cotton, (lignin) + paper + SO_3
= parchment paper, Cerebron duo =
covered by Maillard (7) a Boston med.
students — autoperube — Sa-
bina, (anthelmintic). Mitchell,
Sabin. in criminal abortion, green
color & odor show its presence.
never purges, used as emmena-
gogue, anthelmintic - Ointment,
causes drain on blistered surface.
- Saccharum, - in diabetes - to remove

nutrition (any aut.). Sugar in phthisis as ~~nutriment~~, – Willow, decoction in ague, Salix, Salicin 20 pts. to 4 Sulph. Quin. —
Sanguinaria, "steam doctors". Emetic, astringent, ~~Rx~~ = Poison, not often seen, – Sarsaparilla Swaim's Panacea, (cor. subl.). KI is in some – but of itself does no good – Squills, an onion, Emetic, Expectorant, – Rx (for hydrothorax) Calomel gr j, ~~Powder of Squill~~
Acetum Scillae Conserv. Rosae.
Mel. of all. Spasmodic Croup.
Syrup of squill
Rx teaspoonful. – Ergot Spurred rye, (Silliman's journal.). 10 grs. at a time, – good in hemorrhages – for after-pains.
Senna, (Elongata, obovata), not a drastic – + Milk (in figs), – Senna
pis Semina, turmeric powder often put in
as adulteration, ...

as adulteration. Dunglison.

Potts dura mater. Expression of face, but a ganglionless portion, that goes near it goes to muscles of mastication. — Reproduction. — 1 3000,000,000 pr. will impregnate two frog, Spermatazoids have been found in the ovary. Probable that they go all the way up & that impregnation takes place in ovary. In some animals the ovum becomes useless in few hours. There are cilia in Fallopian tubes which move ~~towards ovary~~ in both directions probably. Gross. Feb. 21st.

In prostate, carry knife outwards & downwards, & but a little way. Push rectum over to right side. Dangers of cutting, Gorget, by Fearn, Engd. modified by Physick. (Dr. Beverly). — Single or double lithotome. — Stone may be crushed. — Lithotripsy, Civiale 1824. — Perfected by Wilde of London. — Must dilate

tube beforehand, — danger of perito-
nitis, pyaemia, — Diseases requiring
laryngotomy, tracheotomy, laryngo-
tracheotomy. — gen. in children, glu.
lodge in Sinuses of larynx, or in
right bronch. tube (> left.), because
fold of mucous membrane tends
to push it to that side, may change
position, Don't give Emetic, — or
Errhine, (tip person over suddenly
Dung. (D. B. W.) & begin at cricoid trachea.
cartilage (2½ in.) to near top of ster-
num, 1. skin & fascia, 2. raphe (with back
of knife (sterno-hyoid, & thyroid muscles,
deep fascia, plexus of vessels veins, turn
them off, search for middle thyroid
artery, (branch of innominate), cut
3 rings, cut upwards, (we often have
isthmus of thyroid, dont divide it
if possible, or ligate it on both
sides, & then cut. steady head,
back of knife towards sternum, sub-
stance shoots out to a distance,
turn body over on abdomen, better
suck out blood, — may have to

use forceps. Hook back opening
Keep off flies &c. by gauze. Warm
room. No tube in this, but in Croupy
Cases &c. double Canula (V. double
tube in such Cases) - when in
larynx, patient speaks in whisper
push body up from opening
laryngotomy, Skin, Superfic. fas-
cia, Crico-thyroid Membrane,
- look for " " artery, begin at
Pomum Adami & cut thyroid
Cartilage — Fracture of Skull, Con-
cussion of brain, trephining,
incision, Down through periosteum, Saw
Circular, don't lacerate, - Hutchinson
centre - pin, - good Spinal one by
Dr. Gault of Virg, Shave parts, - In
trephine instrument Case. Internal
table gen. more Broken than Ex-
ternal, don't close opening too
closely, for wound must Suppu-
rate, Use Sutures, ashes, strips,
Compress, Elevate head, - Hey's Saw,
may have to tap up &c. Canal for
arteria meningea media, Oblí-
gate, — fibroid tissue closes hole.

should be metal caps, not in ground however — Bache

~~Iso~~-Equiv. Carbo-hydrogens. C_nH_n	Positive Radicals. C_nH_{n+1}	**Alcohols.** $C_nH_{n+1}O, HO.$
Methylen, C_2H_2	Methyl (Me) C_2H_3	Methylic alcohol C_2H_3O, HO or MeO, HO,
Ethylen, C_4H_4	Ethyl, ([illegible]) C_4H_5	Ethylic " C_4H_5O, HO or AeO, HO,
Propylen, C_6H_6	Propyl (Pr) C_6H_7	Propylic " C_6H_7O, HO or PrO, HO,
Butylen, C_8H_8	Butyl, (Bu) C_8H_9	Butylic " C_8H_9O, HO or BuO, HO,
Amylen, $C_{10}H_{10}$	Amyl ([illegible]) $C_{10}H_{11}$	Amylic " $C_{10}H_{11}O, HO$ or $AylO, HO$,

$C_{12}H_{12}O_{12} = 2(C_4H_5O, HO)$ and $4CO_2$. —) Rot-gut whiskey.

— Fusel oil + 2O = valer. acid.

— 2H (Cr_2 KO, $2CrO_3 + SO_3$)

In false anchylosis at Knee, cut outer hamstring / sow out — to inside
When nerve is accidentally cut, approximate parts. [Neuralgia.]
Elizabeth Sherwood, by Dr. Osborne, 2½ in. ant. post. Draw. Deliver per vias naturales not Cæsarean operation. — But Embryotomy, trochar & perforator & forceps. (Holmes' best). Take away bones of face. — Negro 16 years of age 17 February 1862, (or January), — Double Uterus. — We have Ovarian pregnancy. — Corpus Luteum larger when fecundated ovum escapes Dr. D. says. Cell 1/42 — 1/240 of inch diam. — He believes that ova are continually escaping. + that ova—

Hot & menstruation do not the same
in acts, (Some say 12 or 14 days ovum
remains Impregnatable. It then dies,
Not to.) But then not to. for
facts show agst. this. — A French
professor says ovum dies in
12 hours. Woman have been im-
pregnated at all times. Mitchell

Sinapis or mustard

Soda & its salts.

Spigelia Marylandica, Pinkroot,

Sulphur.

Sea plant,

Sea [illegible].

Serebunthina.

Trifolium riferno,

Ulmus - Elm — Mustard heaped
teaspoonful 3 times a day (& keep),
for chronic rheumatism, — Na_2O,
CO_2 + Walnut leaves alternately
for tinea capitis, — NaCl An
anti-periodic, - anthelmin

anti-periodic, anthelmintic, Dr. Rush says. — in burns & scalds, — Borax in pruritus vulvae, 40 Rochelle Salt 40 pts. to Sod. Bicarb 36. — chlorinated Soda antidote to HC_2N.] Meigs.

Milk fever should only last for from 12 – 18 hours. Tell woman to support her breasts that she may preserve her beauty, let child suck. Milk must come out. Strap breast up. "ὁ τροφεῖον" "fasciola" — When child's lips got nipple, it is engorged by blood as by cupping, take nipple & push it in & then out & malaxate it till soft, to avoid inflammation, & wash off all saliva & milk. — Suck every 4 hrs. at least. — lead plaster.

℞ Olive oil
Linseed oil
Red Ox. Lead } warm, — On gathered breast, dilate with cerioles.

Dr. Gross. Feb. 24th. 1862.

Cauterization of throat & larynx give a little Chloroform possibly, ℞

Ag O, N O5 10 - 60 grs. to ℥ j. water, 1 every 3rd. day. - Concussion & compression of brain. Symptoms, 1. collapse. 2. re-action. 3. inflammation, - pulse weak & frequent.). pupils are often contracted, Nausea, bowels relaxed, - Autopsy, often Effusion of blood, laceration of substance, - 1st. Recumbency, air, cold water, removal of constriction, smelling bottle near nose, Sinapisms, inject stimulants, no speedy re-action. - Don't draw blood, Don't pour in stimulants, 2nd. treat him as an invalid, Keep all at rest, Cathartic, no solid food, or light &c. - Beware of number 3. of too Early Exercise. 3. appetite impaired, dreams, coldness, nausea, paralysis, impaired memory, fever, delirium. - Bleed him, if plethoric, Elevate head. - Patient apt to perish. Compression. You can't compress, you can change its form. 1. Extr. blood. 2. Piece of bone. 3. Bullet &c. 4. Pus &c. - Eyes closed, respiration labored & stertorous, no con-

respiration labored & stertorous, no con-

sciousness, no feeling, in any ways no Nausea &c, or incontinence, pupils dilated few. Concussion has opposite symptoms, incontinence, contr. pupils, sensation to a great degree, &c,

Bache, Propylamina NH_2, C_6H_7

or NH_2, Pr (Propyl amide)

Am, NH_3.

$NH_2, H = NH_3$.

NH_2, Pr (considered a form of ammonia.

Ethers. $C_n H_{n+1} O$.

Methylic Ether, C_2H_3O, or MeO

Ethylic " C_4H_5O or AeO.

Propylic " C_6H_7O or PrO,

Butylic " C_8H_9O or BuO,

Amylic " $C_{10}H_{11}O$ or AylO

Neg. Radicals. $C_n H_{n-1}$

Formyl, (Fo) C_2H.

Acetyl, (Ac) C_4H_3

Propylyl, (Pro) C_6H_5

Butyryl (Br?) C_8H_7

Valeryl, (Vr?) $C_{10}H_9$

Aldehydes. $C_n H_{n-1} O, HO$.

Formic aldehyde C_2HO, HO

Acetic aldehyde, C_4H_3O, HO.

Propylic aldehyde, C_6H_5O, HO.

Butyric aldehyde C_8H_7O, HO,

Valeric aldehyde, $C_{10}H_9O, HO$.

Derived acids $C_n H_{n-1}, O_3, HO$.

Formic acid, C_2HO_3, HO, — (SO_3 on alcohol takes the HO. boils at 96°. & makes C_4H_5O ether. Acts as basic oxide (saturates acid).)

Acetic acid, $C_4H_3O_3, HO$,

Propylic acid, $C_6H_5O_3, HO$.

Butyric acid, C_8H_7O, HO.

Valeric acid, $C_{10}H_9O, HO$

AeO, NO_5 by NO_5 and nitrate of urea on alcohol. Nitric Ether is really AeO, NO_3 (hypo-nitrous). $C_2H_3Cl_3$, HO chloroform.

$C_2 H_3 \overset{I}{Cl_3}, HO$ — Chloroform —
$C_2 H_3 \overset{I}{O_3}, HO$ — formic acid —

Paracoast In fistula lachrymalis pass worm tube down, bring animal substance after Earthy matter is soaked out, untie ligature & till absorbed, (2 or 3 mths.) — Eye.

Coats 1. Cornea & Sclerotic (Sand)
2. Iris & choroid (" ")
3. Retinal Coat.

Nerves. Child-bed-fever, bad word, not a hypnosis, It may be peritonitis, Phlebitis &c. with the surrounding viscera, Keep a watch on it, by watching womb &c. Travels like wild-fire. Dimphosis

In neat Cattle, if male & female twins are born, former can procreate, and latter can't be impregnated. In human females seems to be not the case. In former case there is a form of hermaphrodite. "Free-mar-

of hermaphrodite. Shee - Mar-

tin". - Meigs say Conception is when ovum affixed itself to surface, - Dunglison says conc. = fecundation. Epigenesis, Evolution? His very possible. - Sign of pregnancy. Areola around nipple darker, morning sickness, - pellicle upon urine, like scum on soup, cheesy odor, ammoniaco-magnesian phosphate, helps diagnosis. Dr. E. K. Kane, From milk that should go off by Mammae, not decisive. - 308 days hardly go for duration, but let them go. 280 days proper.

Gross, Feb. 25th. 1862. Diagnosis bet. Concussion & Compression. Symptoms of conc.) of compres-.

Concussion	Compression
1. Immediate. 2, Feeble yet quick respiration, 3, Pulse feeble, frequent, soft, 4. Special senses not annihilated. 5, Pupil contracted. 6, Eyelids movable. 7. Nausea. 8. Bowels relaxed, urine dribbles, 9. Control over voluntary muscles.	1, not Immediate (Extravs'd. blood slower), Except when bone pressed in.). 2, Labored & stertorous, 3, Slow, labored, very full, 4. are annihilated. 5. Dilated. 6. not movable. 7. No nausea. 8, Constipation, urine retained, 9. Paralysis, hemiplegia,

Extrav. blood, 1. outside of duramater. 2. arachnoid sac. 4. Sub-arachnoid, 4. Substance. 5. ventricles. – 1. (Most fearful along middle artery of dura mater. Don't perforate skull except in first two cases. – In compression, 1. Extrav. [illegible] apoplexy when from disease of vessels & lesion of part. stimulate absorbents. Sinapisms, &c. 2. foreign body. avoid too much interference. Pus Rigor, chill, delirium, coma, paralysis of side opposite effusion. Attention to bowels &c. – When signs of inflammation, skin will be oedematous, perforate & remove. – bone may become gangrenous, yellow & no sound when scraped. – After trephining you must keep an eye to this, puncture it. 2. Fracture of skull. Depression, various forms. – broken lineally, don't trephine, antiphlogistics. let simple, depressed, unspiculated, fracture alone if no compression symptoms. Don't run risk of Epilepsy, fatuity & the Asylum, rather trephine.

Bache. $C_{10}H_8 - H + O = C_{10}H_7O$.

Oxide.

§2. acids fatty, Fats, &c. fixed oils
Stearin, Margarin, Olein, - Suet, Lard,
Oils, - Glycerin common base + Stearic
margaric, oleic acids, $C_{66} H_{65} O_5 3HO$
$C_{34} H_{33} O_3 HO$, $C_{36} H_{33} O_3 HO$, - Gly-
cerin, act on fat by litharge, in
presence of H_2O. $C_{67} H_5 O_3 HO$.
Glyceryle, Monohydrated quintoxide
of glyceryle. Soda Soap hard, KO
soft, Stearate of Soda hardest, -
Oils oxygenated, Oil of bitter al-
monds a hydruret of benzyle,
- Carbolic acid (Shunons Creasote since
freeze, true Creasote will not.
Homologous, $C_{14} H_8 O_2$ $C_{12} H_6 O_2$ (?)
- Resins, (are formed from volatile
oils as at least by taking away
$2H$, + adding O,. Mastic resin
do used for filling decayed
teeth, cheap in place of gold.
4. Coloring substances (Cocous,
Lac Munda.) - Mitchell.

~~NaO, 2CO~~. Chlorinated Soda, diluted does well in scalds & burns, tinea capitis, Rx ℥ss to ℥vj water, - Chlorate of soda in diptheria. - Soot, has alkaline substance, creasote also in it, anti-septic, cutaneous diseases, - Internal in infantile colic, "soot tea", with alcohol, assaf. gum makes tincture, - Spigelia, anthelmintic, narcotic, decoction, ℥ to Oij of water simmer for 15 mits, + ℥ss senna leaves. - Clark, squeezed in orange or lemon, (+ sugar). - Sulphur, "Sulphur tea", (?) Chronic rheumatism, in pocket (?)(!!). Sulphur Lotion, in molasses for hemorrhoids, + corn meal diet, Sulphur vapor bath in chronic rheumatism, Tea, for poison of tart. emetic, diuretic, stimulant, wash + leaves in sub-acute ophthalmia, Tela, in mowing, as a haemostatic + anodyne, internally 5 grains. anti-periodic, spider so, Bessel bet, Philada + Savannah, given for this, ague + fever, silver-headed spider in dough, smashed up, stopped fever. Turpentine, 3 to 5 drops on

Inspection, 3 to 5 drops on
white sugar 3 times a day for
3 days, then a good dose of Cas-
tor oil. in burns & scalds. Infolium
in foeno, clover, hay, for whooping
Cough, Braithwaite p. XLIV. —
Elm slippery, demulcent, Surgi-
cal instruments &c. Catheter &c.

Philada. Hospital, Case of pleurisy
Feb. 26th
℞ Pot Acet. grs XX. Da
Tinct. Squills gtt XV. Coctio.
Sulph. Morph.
Swelling of feet, effusion,

Case of double pneumonia, convalescent,
Treatment - dry cupped, poultices, She
has had hot ℞ } age 84.
beef tea.
Ammon Acet.
ℵ Carb,
Sweet Spts. of nitre, — admitted
on 2 2nd. Feb. — gradually de-
creased remedies & take quinia 2 grs.
Concluding address.

Dr. Gross. Woman scalded
white lead paint over it. Stopped

pain at once. — Maggie —
to but — joint Case shes living. Ex-
hibited, (Aromat. Sulph. acid when
she had some night sweats.) doing
well. Eye Complaint, lilac sort,
~~Conjunctivitis~~ Sclerotitis, rheuma-
tism in eye, pain aggravated
at night, Wine of colchicum
℥j to Calcined Magnesia ℥ss
daily, Morphia at night. — Do-
vers powder. — local vin. opii. —
Case of Granular Conjunctivitis
Disposition to sweats, often
of malarial origin, ℞
Cupri Sulph. — to Eye.
or Argenti Nitratis ℞
gtt xL — L to ℥j Aquae.
Black woman, hypertrophy of clito-
ris, Common in tropical Countries,
Exists in skin & cellular tissue,
Fibrous, looks like wattles of turkey
Gross Tuesday & Friday
12 M. will take students

around wards, — Gross.
Conjunctivitis. Leaving on dark
clothes bad. (Woman) Cold feet,
head-ache, too much perspiration.
She has had purgative medicine,
— Rx Dover's powder, gr x
S. 3 times a days — hot lemonade,
— local 3 times. Cold water (with
of Pacific) — Rx in 3 days.

Sulph Zinc gr ss
Aquae ℥j.

Ointment of nitrate of mercury
Simple cerate — to Edge of
lower lid at night. — quinine
& iron, head & shoulders up.

Ellen
Young girl, 17. She has had Vitus,
some Convulsions Morbid, some
lymph, perhaps Cataract. — Case
of opacity of cornea in child 2½
years old. Young child trouble with
Knee joint, 14 months' standing.
Lesions by hot iron. Tumor on scalp
Sebaceous, between 15 or 16 years,

bald; of long standing, enucleate it. — Incontinence of urine from fall off on perinaeum (off tree on to fence.). John Hinckel, aged 11 years. Dover's powder + R Bi Carb Soda grs x.

Meigs. If woman has a child, then pulse 120° in early A.M. look out for child-bed fever, (inflammation really.) Sensitiveness, tympanitic, rotate foot & flex thigh. (3rd day.) — 24 ℥ of blood thyrsteroid. Alexander Gordon's book — 12 hrs. decide, — if tendency to syncope, lower head q.s.

Mitchell. Yeast in typhus fever, anti-emetic, (CO_2 in it.). Cinnamulus to foetid ulcers, — Zincum acetate, valerianate (chloride

of Zinc (Crawford Scruptor.); Oxide
of Zinc — "healing Salve" — Sulph.
Zinc, Acet. Zinc, Emetic, astringent,
½ pr. — Lactate of Zinc
for Chorea, Butter of Zinc,
Said to Cure Cancer!!! Zingiber,
Tincture of, Syrup of, Carmina-
tive. Dr. Gross, Feb. 27th. 1862.
Compound fractures implicate brain,
if not serious bring parts together if
Serious, trephine, — punctured, Rule is
to operate at once, dangerous don't
wait for Symptoms. — at base of Skull,
rarely depression. Complete insensi-
bility, bleeding of Cond. & Conc.
blood from Ear, Nose, Mouth &c, Es-
cape of Serum from Ear, (from rup-
ture of arachnoid.), Cephalo-Spinal
fluid, uncoagulable by heat, acids,
— Expectant, prophylactic treatment, stimu-
late him slowly — depletory & Cathartic
cient remedies, — of External table
alone, pushed in to place of duplic.
not in children, — easy, trephine if
Effusion thought of. — In children
bending of bone, Bones often re-

gain their places. Purge to freely. No need of trephine. — Cupping glass has raised bone, in child. — False depression, really Scalp condensed & ruptured External to Skull. Let it alone in Every way. General principles, — In cases of Epilepsy from such wounds, dangerous, yet we should do it. Be Careful. — Trephining has been Exercised long after injury. — Brain, clear away foreign substances, but some may become encysted, antiphlogistics. Intellects often improved by this. Bache.

1000 parts of blood.

Fibrin — 3.

Solid contents of Serum.

- Albumen — 72
- Salts — Chlorides of K and Na - Sulphate of K.O - Phosphates and carbonates of Na.O, Ca.O & Mg.O, Lactate of Na.O, Margarate & oleate of Na.O, albuminate of Na.O.
- Fats — Cholesterine, Serolin, -olute and resplosphuretted fats, margaric & oleic acids,
- Ext^e Matters — Alcoholic extract, Creatin
  Spirituous Extract, Water extract

8 — 80.

Red Corpuscles

- Globulin
- Hæmatosin (0.3 iron.) — 122/5 — 127.9.

Water — 1000

1. Gelatinous 2. Albuminous. 3. Fatty, 4. Saline & Extractive Constituents.

(Animal matters) — 1. Globulin 2.

4. Saline & Extractive Constituents,

(Animal matters). — 1. Glue, gelatine &c. — Ichthyocolla. From fish bladders, isinglass, insoluble in alcohol & ether. $N_6 C_{52} H_{40} O_{20}$. 1 13 4

leather is tannate of gelatine, Chondrin. 2. — Albumen, fibrin, caseine. 2.1. Coagulable at 140°. Corr. subl. is a haloid. albuminate & calomel & Chloride of albumen, so with all metallic poisons.

$N_4 C_{36} H_{25} O_{10} + 2HO + S + P$ (means minute proportions, 2.2. — fibrin, dissolved by nitre, & $\frac{A}{3}$, (gluten is vegetable fibrin. 2.3 Casein was once called legumin when in peas &c,

4, 36, 25, 10 + 2HO + s + p. —

4 36 25 10, + 2HO + s + phosph. lime & potassa, protein, 3. Cerebric, oleo-phosphoric acids, — Serolin non-saponifiable. — epidermis is coagulated fibrin, skin is gelatin, — O+Cl takes out earthy matter, Globulin is like albumen. "Some men seem to think the Almighty put alcohol in, the way they supply it." Gross, Feb. 28th.

Fungus of the brain, protrusion of the brain, Systematic Compression, actual Cautery, Vienna paste, no feeling in brain. Allay fetor by Chlorides. — Diseases of the eye. (Dickson, a specific showing a feeling of ~~speech, showing great~~ deep feeling much affected. has lost 3 children & his property —) Choroid Coat like pia mater,). Covering of aqueous humor is serous, Remove Cause of trouble if Extrinsic, (indigestion, decayed tooth). — specific, or general, Gonorrhea, ~~Gout~~ Rheumatism, Syphilis. (iris, choroid Coat -) Scrofula. (Photophobia,), conjunctivitis red larger vessels, don't move much with Eye, less pain, Sclerotitis, pr lilac, pain great aggravated at night, so with iritis, vessels dip in at Edge of Cornea in a singular way, in iritis bits of serous membrane are seen & float, — Treat on general principles, and Cause, in iritis, sorbifacients, — in Scrofulous, quinia, & an anodyne, iodide of iron. ~~R~~ Counter-irritate ~~only~~ at nape of neck &c. away from forehead & temples, mild collyrium at first, ...

away from forehead & temples,
mild collyrium at first, Zinc A &
Sulph, Ag_2O, NO_5, Plumb A,
med at 1st, 3 times a day - maybe
Epidemic, anoint with cerate, - for granu-
lations use stick Sulph. Copper to upper
lid, to roll turned over ours. - may have
to stimulate in many Cases. dont wear
glasses or goggles! - Cataract,
Ophthalmoscope, Good instrument,
dark room, belladonna (1/20 gr. to ℥j.),
Argand lamp, near head at side,
double convex lens, o lamp. o Eye
(Gerning $3.50.), mirror, lens.

Bacilli 1000 parts of urine,

Urea acid,	1
Chlorides of sodium and ammonium,	6
Phosphates of soda and of lime and tribasic phosphate of magnesia and oxide of ammonium ($NH_4O, 2MgO, PO_5$),	6
Sulphates of potassa and of soda,	7
Lactates and animal Extractive,	17
Urea	830
Water,	933
	1000.

$N_2C_2H_4O_2 + 4HO = 2(NH_4O, CO_2)$. = Urea $N_2C_2H_4O_2$ = 60.
Uric acid $N_4C_{10}H_2O_4 + 2HO = 168$.

1st. uric acid reaction. Birds dejecta
urate of ammonia - urate of soda

Gouty Concretions, "Chalk stones". - Uric acid bi-basic, urate of bi-water, one HO drops & NaO comes in. - phosphatic deposit dissolves in acid, uric acid Calculus gen. originates in Kidney. "nephritic colic". 1. uric acid. 2. phosphate of lime, 3. tribasic phosph. of magn. + ammon. 4. fusible Calculus, 5. Oxalate of lime, "mulberry". 1. hard, flat, oval, laminated, fawn colored, or brownish, smooth, in Caustic pot. dissolves, add HCl, uric acid precip. dissolves with Effervescence in NO_5, & by heat + NH_4O makes purpurate of ammonia, blackens under blow-pipe, leaves scanty white ash, (alkaline). 2, "bone earth", pale brown, smooth, laminated, - Easily dissolves in HCl, insoluble in KO, in blow pipe dont melt Except at high heat, 1st. black. 2. white 3. white, less dense than 2, dissolves in cold Acetic acid, precipitated by NH_4O, CO_2, in KO gives off NH_4O. (dont dissolve though) melts into pearly globule

melts into pearly globules

before blow-pipe. 4. mixture of 2 & 3, white, fracture ragged & uneven, more friable than rest, laminated with dust, Common, (Specimens of Dr. Mutter,). tests as for 2 & 3. — 5. hard, compact, tuberculated appearance, by blow pipe oxalic acid leaves lime left, No. 4. concretes around foreign substances - 5. not friable in bladder, (6. Cystic oxide,). alternating calculus. mixed calculus. — (Speeches by Gross & Bache () 5 lectures.). (15 mit minutes over hour given to Each professor to-day, Honest & frank addresses,). (20 years Bache, 1 day absent,)

Meigs.

Calomel 10 gr. } Kermes
Ol. ricini 6 8 ful } mineral.

1/40 gr. tart. Emet. for four times or ad nauseam - but don't let latter Exist. The above

are the great remedies in puerperal fever after bleeding 24 hrs. - Meigs made his parting speech, Gross was present & made a few remarks. - All passed off well. "Meigs on Puerperal Fever" "the only religion worthy of your respect", So to Chinhonca, or 2 a day, Meigs said. - In dying cases, Eyes are turned upwards & inwards. - Dr. Gibson's valedictory. Session of 1861-62 closed!

Meigs.

Turpentine on abdomen in peritonitis, Some say.

℞ Gum Camphor ℈ ss xl.
Quiet. Opii gtt xl.
Cinnamon water ℥iiss.
Syrup of Acacia ℥ ss.
Spoonful every night till relief in after-pains.

relief the after-pains.

I am Conscious of having Spelled
incorrectly Some Medical words
in this book. I could not have
done so, (or at least not have
written them till I was properly
instructed) had I not wished to
Merge the words as they were pas-
sing.

D. P. Gullion.

Dec. 1862.

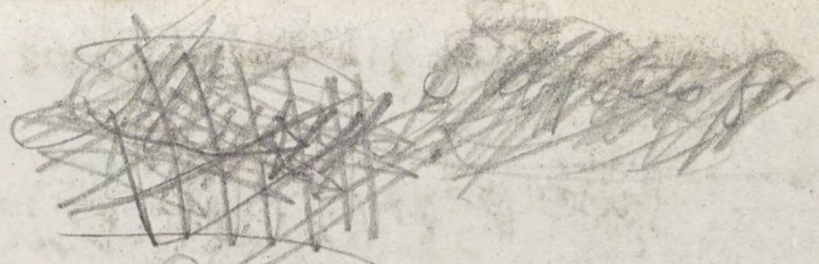
$x^2 + 2xy + y^2 = 36 - 12z + z^2$,

$x^2 + y^2 = 14 - z^2$

$2xy$

$x^2 + y^2 + z^2 + 2xy + 2xz + 2yz = 36$,

$xy + xz + yz = 11$.



Larkspur,
Black walnut leaves,
Tobacco,
Strychnine,
Lupine (narcotic)
poison,
Phlox,
Spiders web,
Rue,

Acids
Acet Arsenon
Ar Chlorine
B Collodion
Copper,
Ca Creasote
Cu Croton oil
Col Ferrum
Cu Glycer
Cr Iod,
Ipec
Hg
Hann

R. P. Lisle
has my
Warren's Geography,
Gummere's Astronomy
Phys. Geog. questions. Cinchon

Frank Winslow,
has my ~~Jackson's Arguments~~ and
my Demosthenes' Select Orations.